Flora of North Dakota
Illustrated Checklist

Alexey Shipunov

Version 2. February 20, 2019

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Title page: *Symphoricarpos occidentalis* image has been drawn by Allysa Evans from the sample in MISU herbarium, Minot State University (North Dakota, USA).

Most photographs were made by author and Liudmila Abramova.

The book was prepared in the Minot State University (North Dakota, USA).

This book is dedicated to the public domain

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I am also extremely grateful to the creators and maintainers of two software tools: Taxonomic Name Resolution Service and R Language and Environment for Statistical Computing which made my work on this book a lot easier and faster.

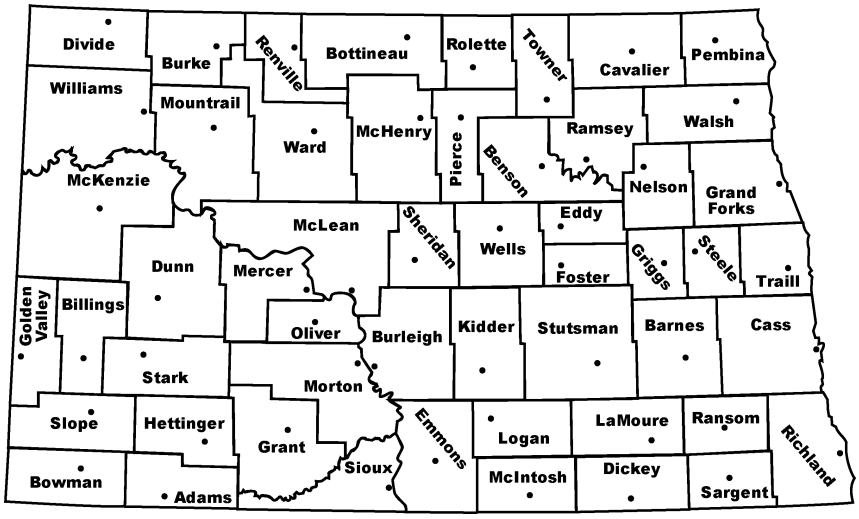
Most of fieldwork and data preparation were done with financial support from North Dakota INBRE, Prairie Biotic Research, Inc., University of North Dakota herbarium, Great Plains Center for Community Research and Service (GPCCRS) and Department of Biology of Minot State University.

Important notes

- **This is *not* a final version**. Please check for the updates regularly.
- The book is a searchable PDF. To find a plant name, you may use the search box of PDF viewer. This is also a hypertext: references in a table of context are active, you may click on them.
- If you do not find a name, it is possible that it became a synonym. For example, all *Aster* names are now replaced with *Symphyotrichum*, *Machaeranthera* and others. In the text, some synonyms are listed under accepted name, and therefore are searchable. To indicate sources contained synonyms, we use *slanted font*.
- Red color is used for the names of rare and endangered "plants at risk".
- Blue color is used for the names of North Dakota state and counties noxious weeds whereas species non-native to North America are labeled as "introduced".
- Flowering plant families are given in the accordance with the last version of my "Systema Angiospermarum" classification (`http://ashipunov.info/shipunov/ang/ang-en.htm`)—specifically, with version 5.25, except for Labiatae s.l. which used here in more traditional sense. The preference is given to the traditional names of families (Compositae, Gramineae etc.) instead of alternative names (Asteraceae, Poaceae etc.). All ferns are listed under "Polypodiaceae".
- Species names (scientific and common) and species concepts are given mostly in the accordance with USDA PLANTS database (2012/03/05, accessed via Taxonomic Name Resolution Service v 3.0). Some taxomic concepts were updated with the recent version of USDA PLANTS.
- Due to the nature of herbarium databases used, cultivated plants are included in the checklist. However, their distribution is not accessed completely. We tried to separate them from other plants. In the text, they marked with * star and do not have numbers and maps.
- Some species are likely present in the state but do not have county data. In the text, they are marked with † sign and also do not have numbers and maps.
- There is also data which requires further clarification. In the text, these entries are marked with **?** and do not have numbers and maps.
- Most of color images are field photographs directly associated with a specimens collected for Minot State University herbarium (MISU). However, due to the enormous size of data (several thousands images), **not all photographs are placed correctly**. Please send corrections to the author's e-mail dactylorhiza at gmail.com.

- All species names are supplied with color codes of flowers, cones or spore-bearing organs.
- This checklist was not planned to be an identification tool. However, we provide here the key for the identification of most frequent families (see Appendix).

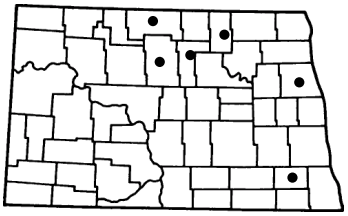
North Dakota County Map



Plant List

1. Acoraceae, Calamus family

1 (1). *Acorus americanus* (Raf.) Raf., sweetflag

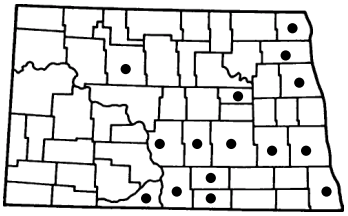


Distribution. BOTTINEAU, GRAND FORKS, MCHENRY, PIERCE, RANSOM, TOWNER. Introduced.

Sources: 29, 34, 35, 39, 41, 43, 47, 5, 7, *15*, *16*, *1*, *27*, *28*, *33*, *43*, *5*, *6*, *7*.

2. Adoxaceae, Moschatel family

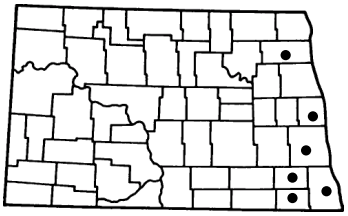
1 (2). *Sambucus nigra* L., black elderberry



Distribution. BARNES, BURLEIGH, CASS, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, PEMBINA, RICHLAND, SIOUX, STUTSMAN, WALSH, WARD. Introduced.

Sources: 29, 39, 4, 43, 48, *11*, *17*, *19*, *1*, *25*, *26*, *30*, *31*, *41*, *5*, *7*, *8*.

2 (3). *Sambucus racemosa* L., red elderberry



Distribution. CASS, RANSOM, RICHLAND, SARGENT, TRAILL, WALSH.

Sources: 1, 25, 26, 29, 39, 4, 41, 43, 5, *5*.

Photographed in VI.

? *Viburnum ellipticum* Hook., common viburnum ☐

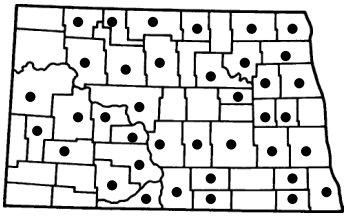
Sources: 29.

? *Viburnum lantanoides* Michx., hobblebush ☐

Sources: 38, *7*.

3 (4). *Viburnum lentago* L., nannyberry ☐

Viburnum vetteri

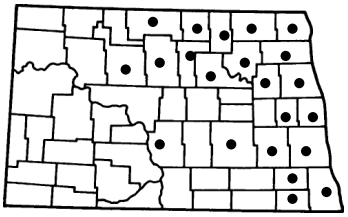


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, WALSH, WARD.

Sources: 1, 11, 13, 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, *5*, *7*.

4 (5). *Viburnum opulus* L., European cranberrybush ☐

Viburnum trilobium



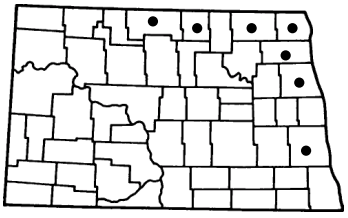
Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, CAVALIER, GRAND FORKS, MCHENRY, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD.

Sources: 1, 14, 18, 26, 29, 3, 39, 4, 40, 41, 42, 43, 45, 5, 6, 7, *11*, *17*, *25*, *27*, *28*, *30*, *5*, *7*.

* *Viburnum prunifolium* L., blackhaw ☐

Sources: 38, 7.

5 (6). *Viburnum rafinesquianum* Schult., downy arrowwood ☐



Distribution. BOTTINEAU, CASS, CAVALIER, GRAND FORKS, PEMBINA, ROLETTE, WALSH.

Sources: 1, 28, 30, 39, 4, 41, 43, 5, 6, 7, *14*, *27*, *29*, *3*, *45*, *5*, *7*.

Photographed in VI–VII.

3. Aizoaceae, Fig-marigold family

? *Tetragonia tetragonioides* (Pall.) Kuntze, New Zealand spinach

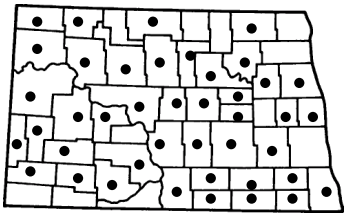
Tetragonia expansa

Sources: 29.

4. Alismataceae, Water-plantain family

1 (7). *Alisma gramineum* Lej., narrowleaf water plantain

Alisma geyeri, Alisma lanceolatum

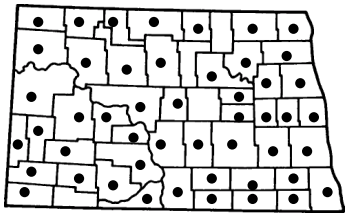


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 18, 19, 2, 21, 24, 26, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *27*, *45*, *7*.

Photographed in VII.

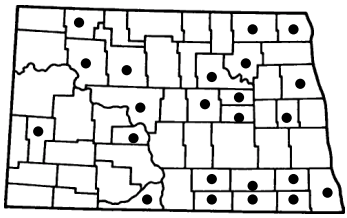
2 (8). *Alisma plantago-aquatica* L., European water plantain ☐



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 15, 16, 24, 25, 3, 31, 32, 42, 44, 45, 5, 6.

3 (9). *Alisma subcordatum* Raf., American water plantain ☐



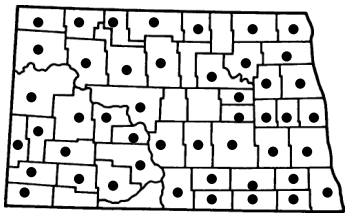
Distribution. BENSON, BILLINGS, BURKE, CAVALIER, DICKEY, EDDY, FOSTER, GRAND FORKS, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, STEELE, WARD, WELLS.

Sources: 1, 10, 14, 17, 18, 19, 2, 21, 26, 27, 29, 30, 39, 4, 41, 43, 47, 7, 8.

Photographed in VII–IX.

4 (10). *Alisma triviale* Pursh, northern water plantain

Alisma brevipes



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

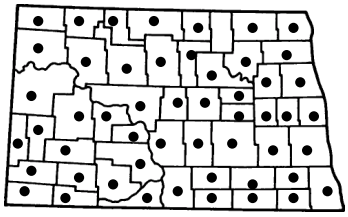
Sources: 19, 28, 29, 39, 4, 41, 42, 43, 45, 47, 8, 9, *21*.

Photographed in VII.

? *Sagittaria brevirostra* Mack. & Bush, shortbeak arrowhead ☐

Sources: 29.

5 (11). *Sagittaria cuneata* Sheldon, arumleaf arrowhead ☐

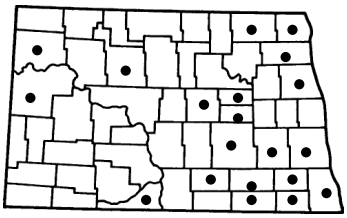


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*, *25*, *45*, *7*.

Photographed in VII–IX.

6 (12). *Sagittaria latifolia* Willd., broadleaf arrowhead



Distribution. BARNES, CASS, CAVALIER, DICKEY, EDDY, FOSTER, GRAND FORKS, LAMOURE, LOGAN, MCKENZIE, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

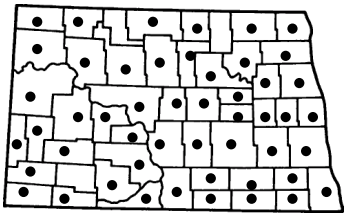
Sources: 1, 11, 15, 16, 19, 2, 26, 29, 3, 30, 39, 4, 41, 42, 43, 45, 47, 48, 5, 6, 8.

Photographed in VII–VIII.

5. Amaranthaceae, Amaranth family

1 (13). *Amaranthus albus* L., prostrate pigweed

Amaranthus graecizans, Amaranthus pubescens

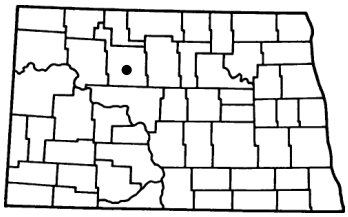


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 2, 24, 25, 26, 27, 29, 31, 32, 39, 4, 41, 43, 45, 47, 5, *10*, *11*, *13*, *14*, *17*, *18*, *19*, *1*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *43*, *45*, *6*, *7*, *8*.

Photographed in VIII–X.

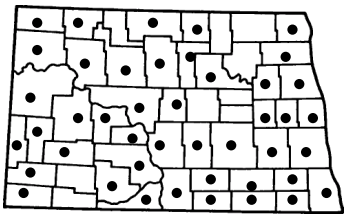
2 (14). *Amaranthus arenicola* I.M. Johnst., sandhill amaranth



Distribution. WARD.

Sources: *17*.

3 (15). *Amaranthus blitoides* S. Watson, mat amaranth

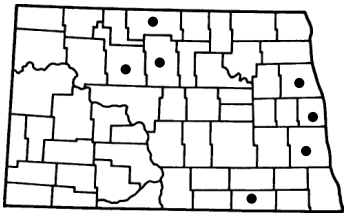


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS. Introduced.

Sources: 12, 29, 3, 39, 40, 41, 43, 45, 47, 5, 7, *18*.

4 (16). *Amaranthus hybridus* L., slim amaranth

Amaranthus chlorostachys, Amaranthus incurvatus, Amaranthus patulus

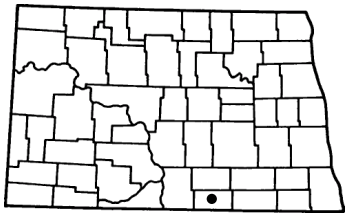


Distribution. BOTTINEAU, CASS, DICKEY, GRAND FORKS, MCHENRY, TRAILL, WARD.

Sources: 1, 27, 29, 39, 4, 41, 43, 45, 47, 6, 7.

Photographed in VII–X.

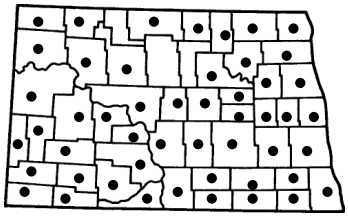
5 (17). *Amaranthus palmeri* S. Watson, carelessweed



Distribution. MCINTOSH.

Sources: 20.

6 (18). *Amaranthus retroflexus* L., redroot amaranth



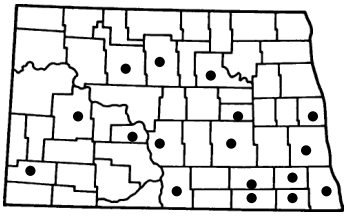
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *18*.

Photographed in VII–VIII.

7 (19). *Amaranthus tuberculatus* (Moq.) Sauer, roughfruit amaranth

Acnida altissima, Acnida concatenata, Acnida subnuda, Acnida tamariscina, Acnida tuberculata, Amaranthus altissimus, Amaranthus ambigens, Amaranthus rudis, Amaranthus tamariscinus

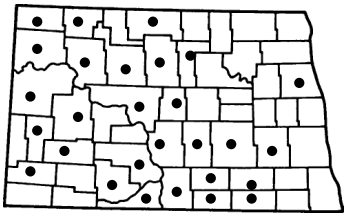


Distribution. BENSON, BURLEIGH, CASS, DICKEY, DUNN, EMMONS, FOSTER, LAMOURE, MCHENRY, OLIVER, RANSOM, RICHLAND, SARGENT, SLOPE, STUTSMAN, TRAILL, WARD.

Sources: 1, 11, 16, 18, 25, 26, 29, 3, 39, 4, 41, 43, 45, 47, 5, 6, *16*, *19*, *1*, *25*, *26*, *27*, *2*, *31*, *32*.

Photographed in VIII.

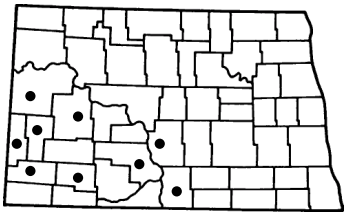
8 (20). *Atriplex argentea* Nutt., silverscale saltbush



Distribution. BARNES, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, DICKEY, DIVIDE, DUNN, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, PIERCE, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 2, 24, 27, 28, 29, 3, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, *32*.

9 (21). *Atriplex canescens* (Pursh) Nutt., fourwing saltbush

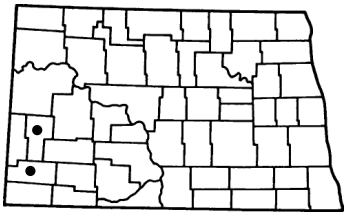


Distribution. BILLINGS, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, HETTINGER, MCKENZIE, MORTON, SLOPE.

Sources: 1, 18, 29, 3, 31, 39, 4, 41, 43, 45, 47.

Photographed in VII.

10 (22). *Atriplex confertifolia* (Torr. & Frem.) S. Watson, shadscale saltbush



Distribution. BILLINGS, SLOPE.

Sources: 1, 18, 27, 29, 3, 32, 39, 41, 43, 45, 47, 5, 6, 7.

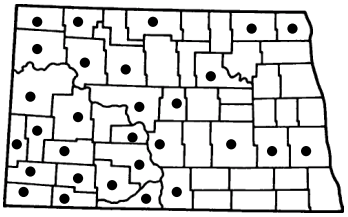
† *Atriplex cristata* Humb. & Bonpl. ex Willd., crested saltbush

Atriplex arenaria, Atriplex littoralis, Atriplex pentandra

Sources: *7*.

11 (23). *Atriplex gardneri* (Moq.) D. Dietr., Gardner's saltbush

Atriplex gordonii, Atriplex nuttallii

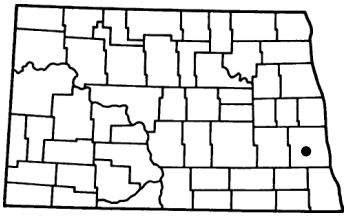


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, PEMBINA, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 29, 39, 4, 41, 43, 45, *47*, *11*, *13*, *17*, *1*, *24*, *27*, *28*, *32*, *43*, *44*, *45*, *5*, *6*, *7*.

Photographed in VII–VIII.

12 (24). *Atriplex glabriuscula* Edmondston, Scotland orache

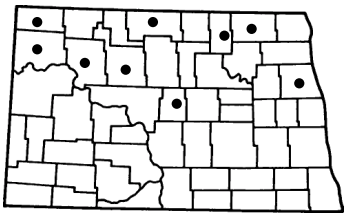


Distribution. CASS.

Sources: 39.

13 (25). *Atriplex hortensis* L., garden orache

Atriplex acuminata, Atriplex nitens

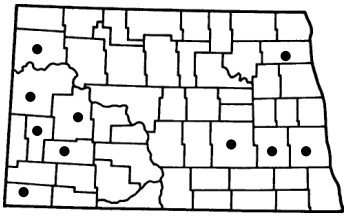


Distribution. BOTTINEAU, CAVALIER, DIVIDE, GRAND FORKS, MOUNTRAIL, SHERIDAN, TOWNER, WARD, WILLIAMS. Introduced.

Sources: 1, 13, 18, 27, 28, 29, 3, 39, 4, 43, 47, 5, 7.

14 (26). *Atriplex micrantha* Ledeb., twoscale saltbush

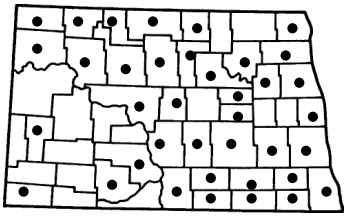
Atriplex heterosperma



Distribution. BARNES, BILLINGS, BOWMAN, CASS, DUNN, MCKENZIE, STARK, STUTSMAN, WALSH, WILLIAMS. Introduced.

Sources: 29, 39, 43, 5, *11*, *13*, *1*, *24*, *32*.

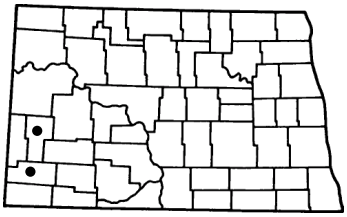
15 (27). *Atriplex patula* L., spear saltbush



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 15, 2, 25, 27, 28, 29, 31, 32, 39, 4, 43, 45, 47, 6, 7.

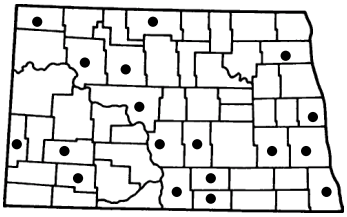
16 (28). *Atriplex powellii* S. Watson, Powell's saltweed



Distribution. BILLINGS, SLOPE.

Sources: 29, 39, 41.

17 (29). *Atriplex rosea* L., tumbling saltweed

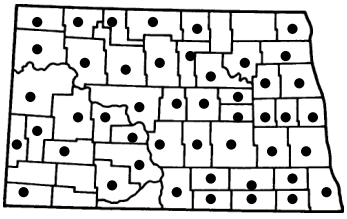


Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, DIVIDE, EMMONS, GOLDEN VALLEY, HETTINGER, KIDDER, LOGAN, MCINTOSH, MCLEAN, MOUNTRAIL, RICHLAND, STARK, TRAILL, WALSH, WARD. Introduced.

Sources: 1, 11, 13, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 43, 47.

Photographed in VIII.

18 (30). *Atriplex subspicata* (Nutt.) Rydb., saline saltbush



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

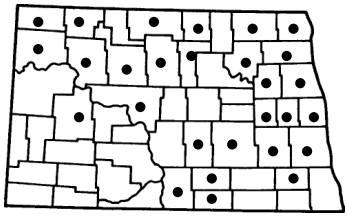
Sources: 10, 16, 19, 2, 21, 24, 25, 26, 29, 4, 44, 8, *13*.

Photographed in IX.

† *Atriplex* ×*aptera* A. Nelson, moundscale

Sources: *29*, *39*.

19 (31). *Axyris amaranthoides* L., Russian pigweed

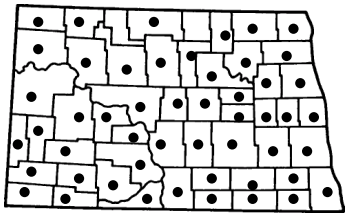


Distribution. BARNES, BOTTINEAU, BURKE, CASS, CAVALIER, DIVIDE, DUNN, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, ROLETTE, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 18, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 43, 45, 47.

20 (32). *Bassia scoparia* (L.) A.J. Scott, burningbush

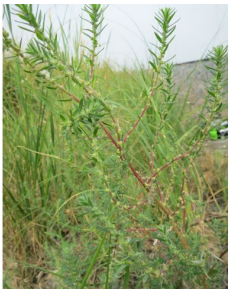
Bassia sieversiana, Kochia alata, Kochia scoparia, Kochia sieversiana, Kochia trichophila, Kochia trichophylla



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 29, 36, 39, 4, 42, 47, 5, *10*, *11*, *12*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *40*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII–IX.

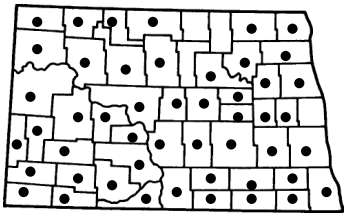


? *Beta vulgaris* L., common beet

Beta maritima

Sources: 38, 7.

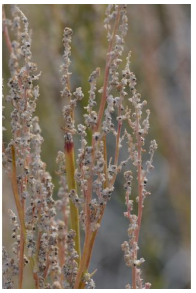
21 (33). *Chenopodium album* L., lambsquarters



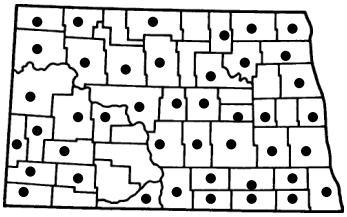
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 12, 13, 14, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 9, *11*, *13*, *14*, *17*, *18*, *19*, *1*, *21*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *3*, *41*, *44*, *45*, *5*, *6*, *7*, *8*.

Photographed in VII–X.



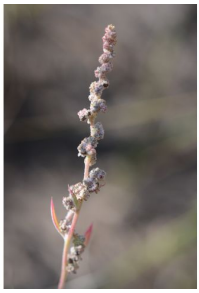
22 (34). *Chenopodium berlandieri* Moq., pitseed goosefoot



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

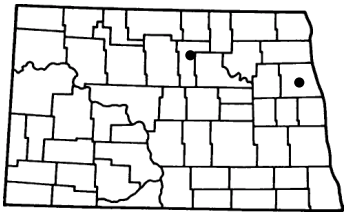
Sources: 1, 11, 17, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, *11*, *13*, *18*, *1*, *24*, *26*, *27*, *43*.

Photographed in VII–X.



23 (35). *Chenopodium capitatum* (L.) Asch., blite goosefoot

Blitum capitatum



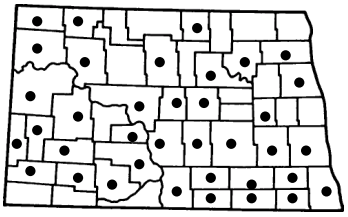
Distribution. GRAND FORKS, PIERCE.

Sources: 29, 39, 4, 7.

Photographed in IX.

24 (36). *Chenopodium desiccatum* A. Nelson, aridland goosefoot

Chenopodium serotinum, Blitum virgatum, Chenopodium virgatum

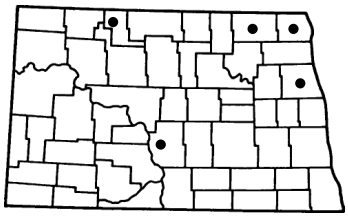


Distribution. BARNES, BENSON, BILLINGS, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STUTSMAN, WALSH, WELLS, WILLIAMS.

Sources: 1, 11, 18, 21, 26, 31, 4, 41, 45, 5, *45*.

Photographed in IX.

25 (37). *Chenopodium foliosum* (Moench) Asch., leafy goosefoot

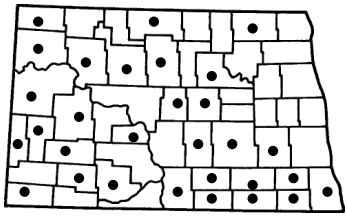


Distribution. BURLEIGH, CAVALIER, GRAND FORKS, PEMBINA, RENVILLE. Introduced.

Sources: 27, 29, 30, 39, 4, 43, 47, 7, *43*.

Photographed in X.

26 (38). *Chenopodium fremontii* S. Watson, Fremont's goosefoot

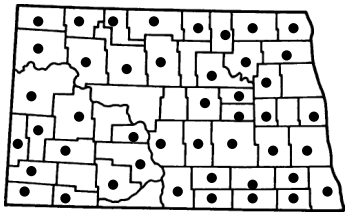


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MOUNTRAIL, OLIVER, RANSOM, RICHLAND, SARGENT, SHERIDAN, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 17, 19, 2, 24, 25, 26, 27, 29, 3, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, *18*, *28*, *29*.

Photographed in VIII–X.

27 (39). *Chenopodium glaucum* L., oakleaf goosefoot



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

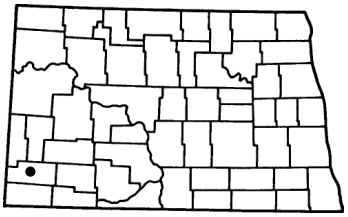
Sources: 1, 11, 13, 15, 16, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 32, 39, 4, 42, 43, 45, 47, 5, 6, 7, 8, *17*, *18*, *28*.

Photographed in VII–VIII.

† *Chenopodium humile* Hook., marshland goosefoot

Sources: 29.

28 (40). *Chenopodium incanum* (S. Watson) A. Heller, mealy goosefoot

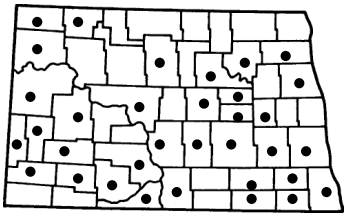


Distribution. SLOPE.

Sources: 39.

29 (41). *Chenopodium pratericola* Rydb., desert goosefoot

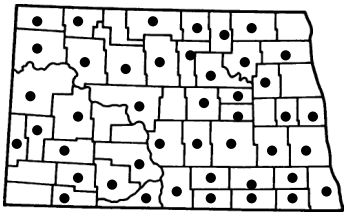
Chenopodium albescens



Distribution. BARNES, BENSON, BILLINGS, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, MCHENRY, MCKENZIE, MCLEAN, MORTON, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WELLS, WILLIAMS.

Sources: 12, 19, 2, 21, 29, 39, 41, 43, 45, 47, 8, *24*.

30 (42). *Chenopodium rubrum* L., red goosefoot



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 15, 16, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 6, 7, 8, *17*, *18*, *28*, *5*.

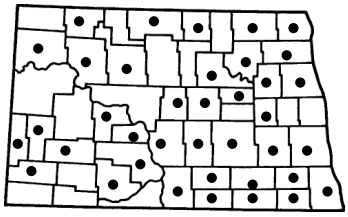
Photographed in VI–IX.

† *Chenopodium salinum* Standl., Rocky Mountain goosefoot

Sources: 29.

31 (43). *Chenopodium simplex* (Torr.) Raf., mapleleaf goosefoot

Chenopodium gigantospermum, Chenopodium hybridum

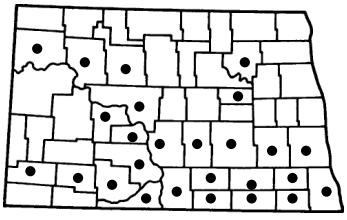


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 29, 39, 4, 41, 42, 43, 45, 47, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *45*, *6*, *7*, *8*.

Photographed in VII–VIII.

32 (44). *Chenopodium standleyanum* Aellen, Standley's goosefoot

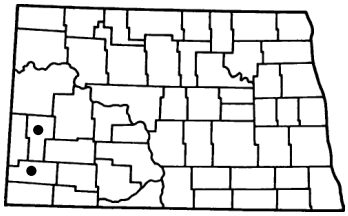


Distribution. BARNES, BURLEIGH, CASS, DICKEY, EDDY, EMMONS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STUTSMAN, WARD, WILLIAMS.

Sources: 11, 19, 2, 21, 25, 26, 27, 29, 31, 39, 4, 41, 43, 45, 47, 5, 7, *1*.

Photographed in VIII.

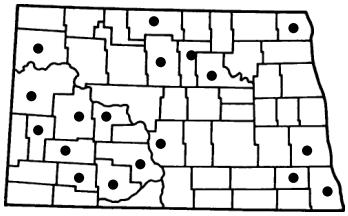
33 (45). *Chenopodium subglabrum* (S. Watson) A. Nelson, smooth goosefoot



Distribution. BILLINGS, SLOPE.

Sources: 27, 29, 34, 39, 41, 43, 45, 47, 5, *18*, *7*.

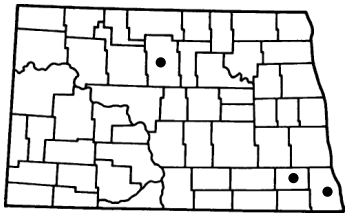
34 (46). *Corispermum americanum* (Nutt.) Nutt., American bugseed



Distribution. BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, DUNN, GRANT, HETTINGER, MCHENRY, MCKENZIE, MERCER, MORTON, PEMBINA, PIERCE, RANSOM, RICHLAND, STARK, WILLIAMS.

Sources: 18, 29, 39, 43, 45, 47, 5, *13*, *1*, *24*, *25*, *26*, *27*, *28*, *30*, *32*, *3*.

35 (47). *Corispermum nitidum* Kit. ex Schult., shiny bugseed



Distribution. MCHENRY, RANSOM, RICHLAND.

Sources: 1, 18, 25, 26, 27.

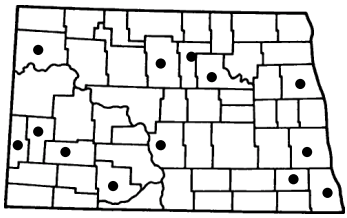
† *Corispermum pallasii* Steven, Siberian bugseed

Corispermum leptopterum, *Corispermum sibiricum*

Sources: 29, 39, 47.

36 (48). *Corispermum villosum* Rydb., hairy bugseed

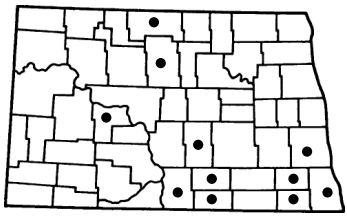
Corispermum emarginatum



Distribution. BENSON, BILLINGS, BURLEIGH, CASS, GOLDEN VALLEY, GRAND FORKS, GRANT, MCHENRY, PIERCE, RANSOM, RICHLAND, STARK, WILLIAMS.

Sources: 14, 18, 27, 29, 39, 43, 45, 47.

37 (49). *Cycloloma atriplicifolium* (Spreng.) J.M. Coult., winged pigweed

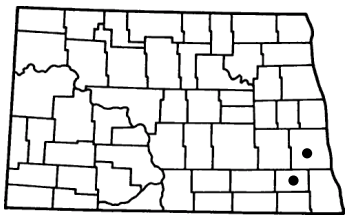


Distribution. BOTTINEAU, CASS, EMMONS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MERCER, RANSOM, RICHLAND, SARGENT.

Sources: 1, 26, 27, 28, 29, 3, 39, 4, 41, 43, 45, 47, 5, *25*, *31*.

Photographed in IX.

38 (50). *Dysphania botrys* (L.) Mosyakin & Clemants, Jerusalem oak goosefoot

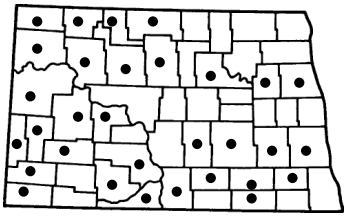


Distribution. CASS, RANSOM. Introduced.

Sources: 39, 47, *1*, *27*, *29*, *3*, *43*, *45*.

39 (51). *Endolepis dioica* (Nutt.) Standl., Suckley's endolepis

Atriplex dioica, Atriplex suckleyi



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, RANSOM, RENVILLE, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

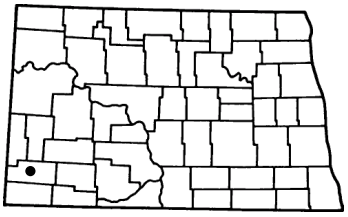
Sources: 29, 4, 41, 43, 47, *11*, *13*, *17*, *18*, *1*, *24*, *27*, *28*, *29*, *32*, *39*, *3*, *41*, *43*, *45*, *5*, *6*, *7*.

Photographed in VII–VIII.

† *Froelichia floridana* (Nutt.) Moq., plains snakecotton

Sources: 47.

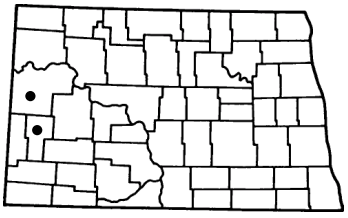
40 (52). *Grayia spinosa* (Hook.) Moq., spiny hopsage



Distribution. SLOPE.

Sources: 39.

41 (53). *Halogeton glomeratus* (M. Bieb.) C.A. Mey., saltflower

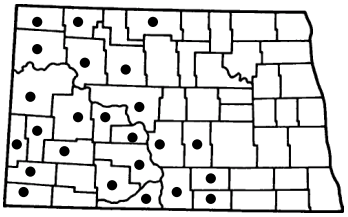


Distribution. BILLINGS, MCKENZIE. Introduced.

Sources: 36, 39, 40.

42 (54). *Krascheninnikovia lanata* (Pursh) A. Meeuse & Smit, winterfat

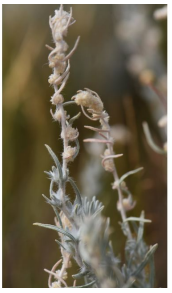
Ceratoides lanata, Eurotia lanata



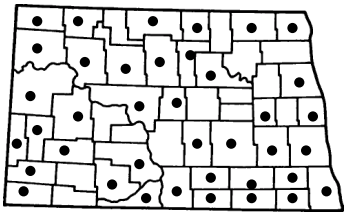
Distribution. BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 12, 29, 4, 41, 42, 43, 47, *13*, *17*, *18*, *1*, *24*, *27*, *28*, *31*, *32*, *39*, *3*, *43*, *45*, *6*, *7*.

Photographed in VI–VIII.



43 (55). *Monolepis nuttalliana* (Schult.) Greene, Nuttall's povertyweed

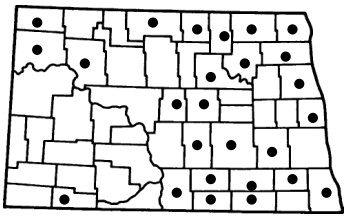


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TRAILL, WARD, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 43, 45, 47, 5, 6, 7, *2*.

Photographed in VII–X.

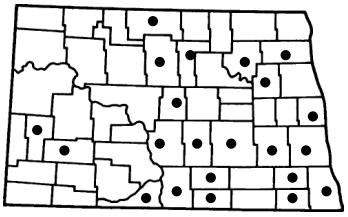
44 (56). *Salicornia rubra* A. Nelson, red swampfire



Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, CAVALIER, DICKEY, DIVIDE, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SHERIDAN, STUTSMAN, TOWNER, TRAILL, WALSH, WELLS, WILLIAMS.

Sources: 10, 11, 13, 15, 16, 18, 2, 21, 25, 26, 27, 28, 29, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, *1*, *3*, *7*.

45 (57). *Salsola collina* Pall., slender Russian thistle

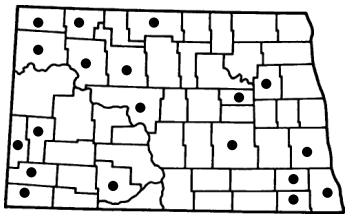


Distribution. BARNES, BILLINGS, BOTTINEAU, BURLEIGH, CASS, EMMONS, KIDDER, LOGAN, MCHENRY, MCINTOSH, NELSON, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, STARK, STUTSMAN, TRAILL, WALSH. Introduced.

Sources: 1, 11, 21, 25, 26, 28, 29, 31, 39, 4, 40, 43, 47, 5, *24*.

Photographed in X.

46 (58). *Salsola kali* L., Russian thistle



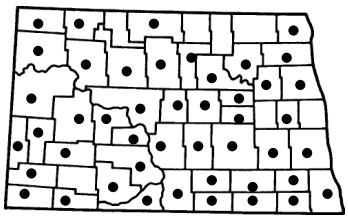
Distribution. BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, DIVIDE, EDDY, GOLDEN VALLEY, GRANT, MCLEAN, MOUNTRAIL, NELSON, RANSOM, RICHLAND, SARGENT, SLOPE, STUTSMAN, WARD, WILLIAMS. Introduced.

Sources: 13, 17, 25, 27, 28, 3, 32, 4, 42, 45, 5, 9.

Photographed in VIII.

47 (59). *Salsola tragus* L., prickly Russian thistle

Salsola australis, Salsola iberica, Salsola ruthenica

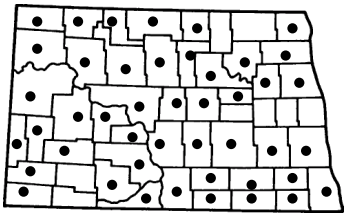


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 12, 18, 29, 39, 4, 40, 42, 43, 45, 47, 5, *11*, *19*, *1*, *21*, *24*, *26*, *2*, *31*, *44*, *6*, *7*, *8*.

Photographed in VIII–IX.

48 (60). *Suaeda calceoliformis* (Hook.) Moq., Pursh seepweed



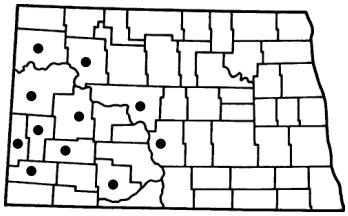
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 12, 15, 29, 39, 4, 41, 42, 43, 45, 47, 5, *10*, *11*, *13*, *16*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *43*, *6*, *7*, *8*.

Photographed in VII–IX.

49 (61). *Suaeda moquinii* (Torr.) Greene, Mojave seablite

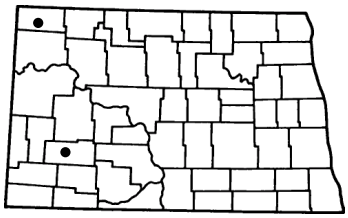
Suaeda intermedia, *Suaeda nigra*, *Suaeda ramosissima*, *Suaeda torreyana*



Distribution. BILLINGS, BURLEIGH, DUNN, GOLDEN VALLEY, GRANT, MCKENZIE, MCLEAN, MOUNTRAIL, SLOPE, STARK, WILLIAMS.

Sources: 24, 29, 41, 43, 47, 5, *13*, *1*, *27*, *32*, *39*, *3*, *6*, *7*.

50 (62). *Suckleya suckleyana* (Torr.) Rydb., poison suckleya



Distribution. DIVIDE, STARK.

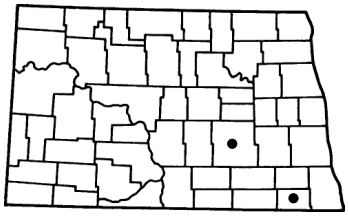
Sources: 1, 18, 24, 27, 29, 39, 41, 43, 5.

6. Amaryllidaceae, Amaryllis family

† *Allium burdickii* (Hanes) A.G. Jones, narrowleaf wild leek

Sources: 29.

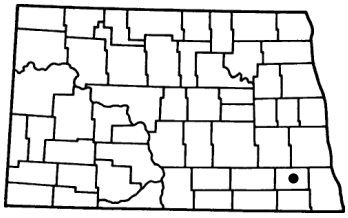
1 (63). *Allium canadense* L., meadow garlic



Distribution. SARGENT, STUTSMAN.

Sources: 29, 34, 35, 39, 41, 43, 5.

2 (64). *Allium cernuum* Roth, nodding onion



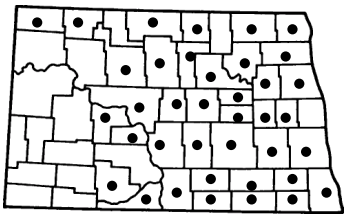
Distribution. RANSOM.

Sources: 41, 45.

? *Allium geyeri* S. Watson, Geyer's onion ☐

Sources: 18, 7.

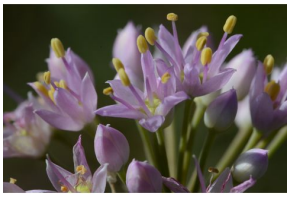
3 (65). *Allium stellatum* Fraser ex Ker Gawl., autumn onion ☐



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STEELE, STUTSMAN, WALSH, WARD, WELLS.

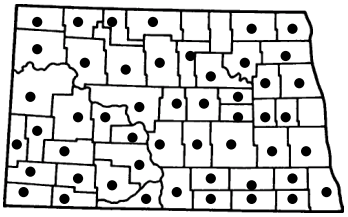
Sources: 1, 10, 11, 13, 14, 18, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*, *7*.

Photographed in VII–VIII.



4 (66). *Allium textile* A. Nelson & J.F. Macbr., textile onion ☐

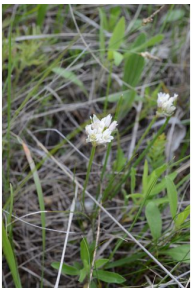
Allium aridum, Allium reticulatum



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

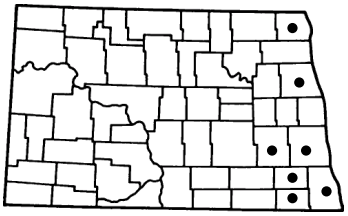
Sources: 1, 10, 11, 12, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*, *7*.

Photographed in V–VII.



5 (67). *Allium tricoccum* Aiton, ramp ☐

Validallium tricoccum

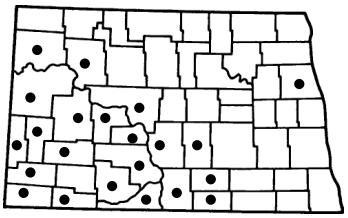


Distribution. BARNES, CASS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 1, 11, 14, 25, 26, 27, 29, 3, 30, 39, 41, 42, 43, 45, 47, 6, 7, *7*.

7. Anacardiaceae, Sumac family

1 (68). *Rhus aromatica* Aiton, fragrant sumac



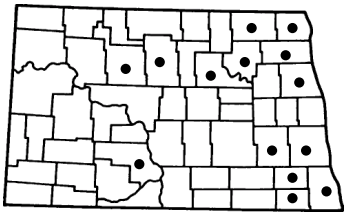
Distribution. ADAMS, BILLINGS, BOWMAN, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 12, 24, 31, 39, 4, 41, 42, 43, 45, 6, 7, *18*.

Photographed in V–VIII.

2 (69). *Rhus glabra* L., smooth sumac

Rhus borealis, Rhus calophylla

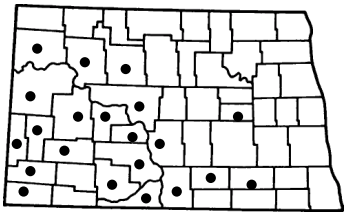


Distribution. BARNES, BENSON, CASS, CAVALIER, GRAND FORKS, MCHENRY, MORTON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, WALSH, WARD.

Sources: 1, 11, 14, 17, 21, 25, 26, 27, 29, 3, 30, 39, 4, 41, 42, 43, 44, 45, 6, 7, *45*.

Photographed in VI–IX.

3 (70). *Rhus trilobata* Nutt., skunkbush sumac



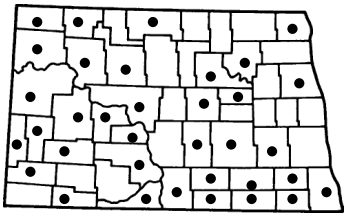
Distribution. BILLINGS, BOWMAN, BURLEIGH, DUNN, EMMONS, FOSTER, GOLDEN VALLEY, GRANT, LAMOURE, LOGAN, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 13, 27, 29, 3, 32, 4, 43, 45, 7.

Photographed in VI.

4 (71). *Toxicodendron rydbergii* (Small ex Rydb.) Greene, western poison ivy

Toxicodendron desertorum



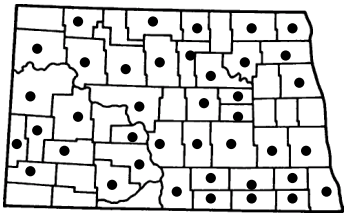
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 18, 19, 21, 24, 26, 29, 31, 39, 4, 41, 42, 43, 45, 7, 8, *13*, *14*, *17*, *25*, *27*, *28*, *2*, *30*, *32*, *3*, *44*, *45*, *6*, *7*.

Photographed in VI–VII.

8. Apocynaceae, Dogbane family

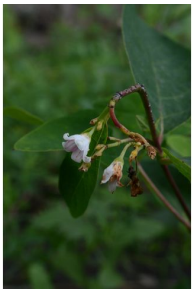
1 (72). *Apocynum androsaemifolium* L., spreading dogbane



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

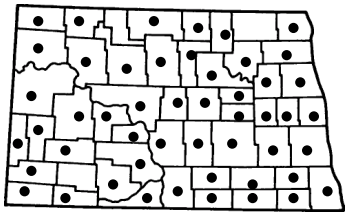
Sources: 1, 11, 13, 14, 17, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *18*, *2*.

Photographed in VII–VIII.



2 (73). *Apocynum cannabinum* L., Indianhemp

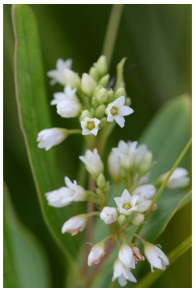
Apocynum pubescens, Apocynum sibiricum, Apocynum jonesii, Apocynum medium, Apocynum milleri



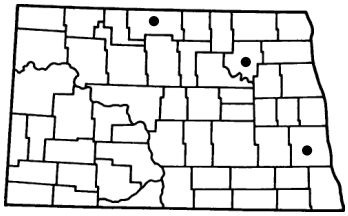
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 16, 17, 19, 2, 21, 24, 26, 27, 29, 31, 32, 39, 4, 41, 42, 43, 45, 5, 7, 8, *11*, *13*, *17*, *18*, *1*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *45*, *6*, *7*, *9*.

Photographed in VII–VIII.



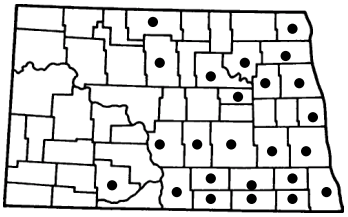
3 (74). *Apocynum* ×*floribundum* Greene, intermediate dogbane



Distribution. BOTTINEAU, CASS, RAMSEY.

Sources: 41, *1*, *29*, *39*, *45*, *7*.

4 (75). *Asclepias incarnata* L., swamp milkweed



Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, DICKEY, EDDY, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN, TRAILL, WALSH.

Sources: 1, 10, 11, 15, 16, 18, 19, 2, 21, 25, 27, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *26*, *28*.

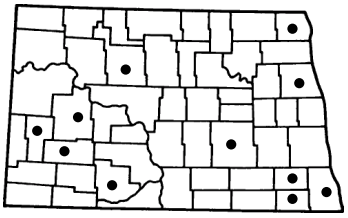
Photographed in VII.

? *Asclepias involucrata* Engelm. ex Torr., dwarf milkweed

Sources: *44*.

5 (76). *Asclepias lanuginosa* Nutt., sidecluster milkweed

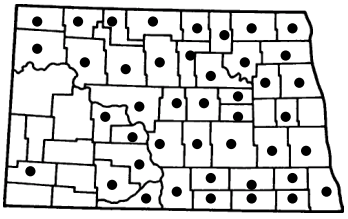
Acerates lanuginosa, Asclepias otarioides



Distribution. BILLINGS, DUNN, GRAND FORKS, GRANT, PEMBINA, RANSOM, RICHLAND, SARGENT, STARK, STUTSMAN, WARD.

Sources: 1, 11, 14, 29, 34, 39, 41, 43, 5, *18*, *25*, *26*, *27*, *7*.

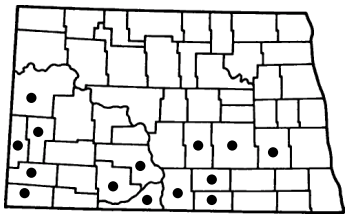
6 (77). *Asclepias ovalifolia* Decne., oval-leaf milkweed



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, 7.
Photographed in VI–IX.

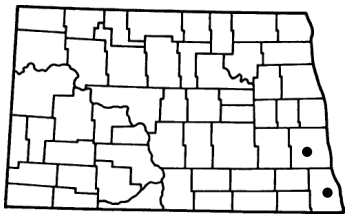
7 (78). *Asclepias pumila* (A. Gray) Vail, plains milkweed



Distribution. BARNES, BILLINGS, BOWMAN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MORTON, SIOUX, SLOPE, STUTSMAN.

Sources: 1, 11, 27, 29, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7.

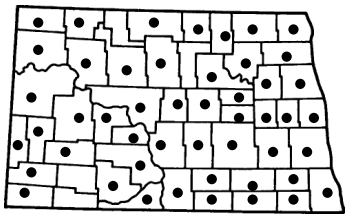
8 (79). *Asclepias purpurascens* L., purple milkweed



Distribution. CASS, RICHLAND.

Sources: 27, 5.

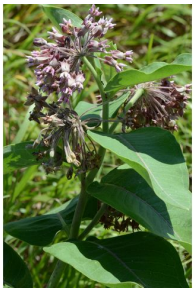
9 (80). *Asclepias speciosa* Torr., showy milkweed



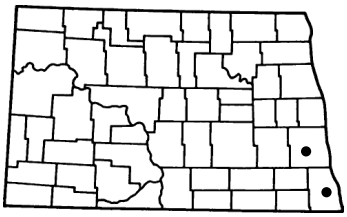
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 17, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, 9.

Photographed in VII–VIII.



10 (81). *Asclepias sullivantii* Engelm. ex A. Gray, prairie milkweed

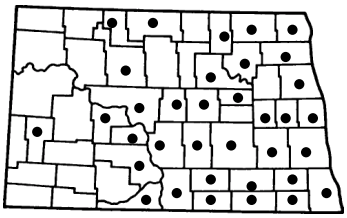


Distribution. CASS, RICHLAND.

Sources: 1, 25, 26, 29, 35, 39, 41, 43, 5.

11 (82). *Asclepias syriaca* L., common milkweed

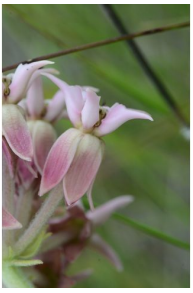
Asclepias intermedia, Asclepias kansana



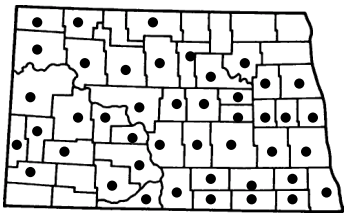
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MERCER, MORTON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 10, 11, 14, 17, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 36, 39, 4, 41, 42, 43, 44, 45, 48, 5, 6, 7, 8, *31*.

Photographed in VII.



12 (83). *Asclepias verticillata* L., whorled milkweed

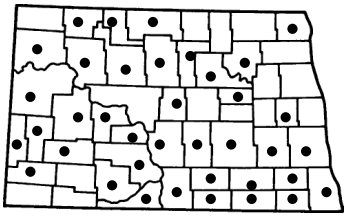


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, 9.

Photographed in VII–VIII.

13 (84). *Asclepias viridiflora* Raf., green comet milkweed



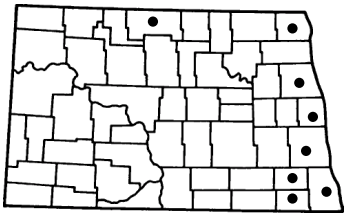
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 11, 12, 13, 18, 19, 2, 24, 25, 26, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 8, *17*, *18*, *1*, *27*, *32*, *5*, *7*.

Photographed in VII–VIII.

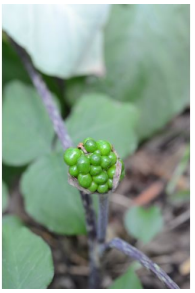
9. Araceae, Arum family

1 (85). *Arisaema triphyllum* (L.) Schott, Jack in the pulpit

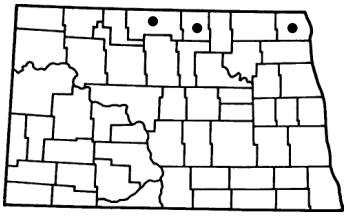


Distribution. BOTTINEAU, CASS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT, TRAILL.

Sources: 1, 14, 18, 25, 26, 28, 29, 3, 39, 4, 41, 45, 6, 7, *27*, *7*.



2 (86). *Calla palustris* L., water arum

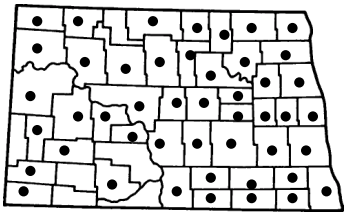


Distribution. BOTTINEAU, PEMBINA, ROLETTE.

Sources: 15, 16, 28, 29, 33, 34, 35, 39, 41, 42, 43, 47, 5, 6, 7, *30*.

3 (87). *Lemna minor* L., common duckweed

Lemna cyclostasa, Lemna minima

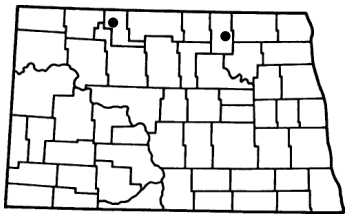


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 17, 19, 2, 25, 26, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 45, 47, 5, 6, 7, 8, 9, *27*.

Photographed in VII–VIII.

4 (88). *Lemna minuta* Kunth, least duckweed

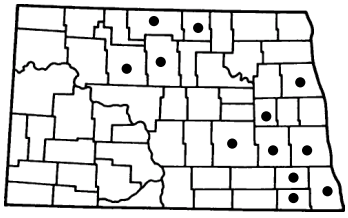


Distribution. RENVILLE, TOWNER.

Sources: 4.

Photographed in X.

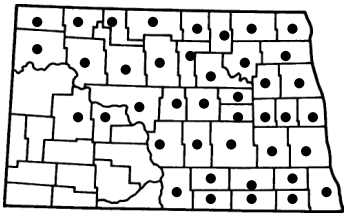
5 (89). *Lemna perpusilla* Torr., minute duckweed



Distribution. BARNES, BOTTINEAU, CASS, GRAND FORKS, GRIGGS, MCHENRY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WARD.

Sources: 1, 11, 17, 26, 28, 29, *18*.

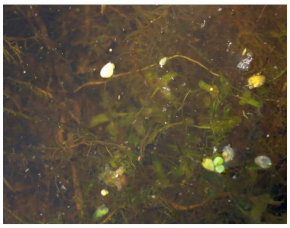
6 (90). *Lemna trisulca* L., star duckweed



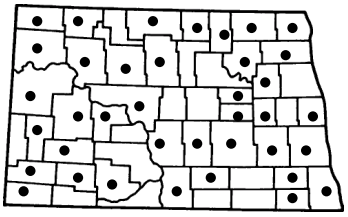
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 28, 29, 3, 31, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, 9, *26*, *27*, *30*.

Photographed in VI–VIII.



7 (91). *Lemna turionifera* Landolt, turion duckweed

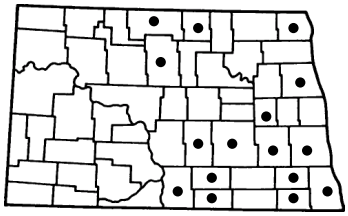


Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRANT, GRIGGS, HETTINGER, KIDDER, LOGAN, MCHENRY, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 16, 19, 21, 24, 29, 39, 4, 41, 43, 44, 45, 47, 5.

8 (92). *Spirodela polyrrhiza* (L.) Schleid., common duckmeat

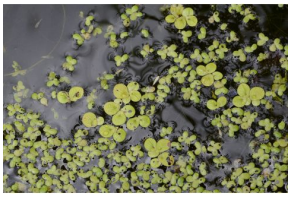
Lemna polyrrhiza, Spirodela polyrhiza



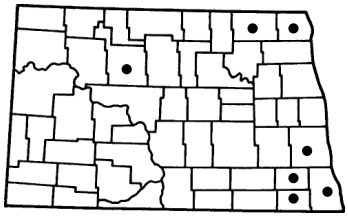
Distribution. BARNES, BOTTINEAU, CASS, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN.

Sources: 16, 29, 4, 41, 43, 47, 5, *11*, *15*, *1*, *25*, *26*, *27*, *28*, *31*, *39*, *5*, *6*, *7*.

Photographed in VII.



9 (93). *Wolffia columbiana* Karst., Columbian watermeal

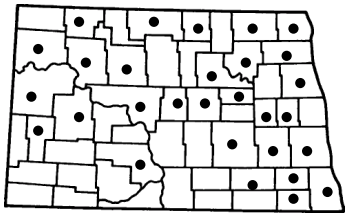


Distribution. CASS, CAVALIER, PEMBINA, RANSOM, RICHLAND, SARGENT, WARD.

Sources: 1, 15, 16, 26, 29, 33, 34, 35, 39, 41, 42, 43, 47, 5.

10. Araliaceae, Ginseng family

1 (94). *Aralia nudicaulis* L., wild sarsaparilla

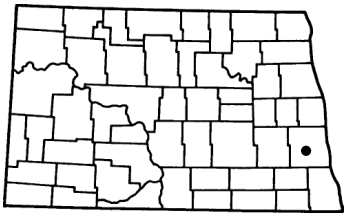


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DUNN, EDDY, GRAND FORKS, GRIGGS, LAMOURE, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8.

Photographed in VI–VII.

2 (95). *Aralia racemosa* L., American spikenard



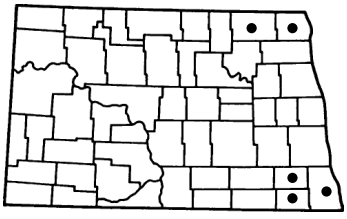
Distribution. CASS.

Sources: 5.

11. Aristolochiaceae, Birthwort family

1 (96). *Asarum canadense* L., Canadian wildginger

Asarum acuminatum, Asarum rubrocinctum



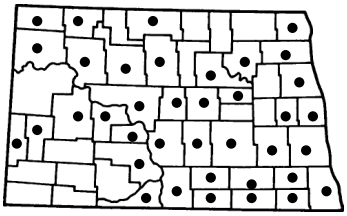
Distribution. CAVALIER, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 1, 25, 26, 27, 29, 3, 39, 4, 41, 42, 43, 45, 47, 6, 7, *30*.

Photographed in VI.

12. Asparagaceae, Asparagus family

1 (97). *Asparagus officinalis* L., garden asparagus

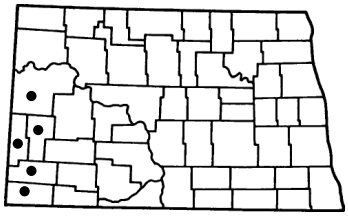


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 12, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 42, 43, 44, 45, 47, 5, 7, 8, 7.

Photographed in VI–X.

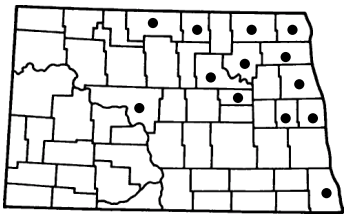
2 (98). *Leucocrinum montanum* Nutt. ex A. Gray, common starlily ☐



Distribution. BILLINGS, BOWMAN, GOLDEN VALLEY, MCKENZIE, SLOPE.

Sources: 1, 27, 29, 32, 33, 34, 39, 41, 43, 47, 5, 6, *35*.

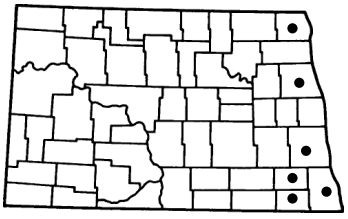
3 (99). *Maianthemum canadense* Desf., Canada mayflower



Distribution. BENSON, BOTTINEAU, CAVALIER, EDDY, GRAND FORKS, MCLEAN, PEMBINA, RAMSEY, RICHLAND, ROLETTE, STEELE, TRAILL, WALSH.

Sources: 1, 14, 18, 21, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 44, 45, 47, 5, 7, *6*.

4 (100). *Maianthemum racemosum* (L.) Link, feathery false lily of the valley

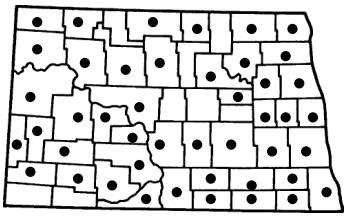


Distribution. CASS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 14, 29, 39, 41, 45, 47, *10*, *18*, *1*, *25*, *26*, *27*, *30*, *3*, *45*, *6*, *7*.

5 (101). *Maianthemum stellatum* (L.) Link, starry false lily of the valley

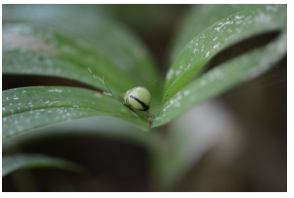
Convallaria stellata, Smilacina liliacea, Smilacina stellata, Vagnera liliacea, Vagnera stellata



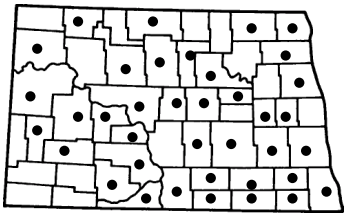
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 14, 18, 29, 3, 39, 4, 41, 42, 45, 47, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *44*, *6*, *7*, *8*, *9*.

Photographed in V–IX.



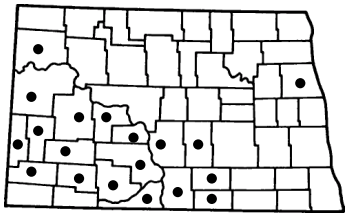
6 (102). *Polygonatum biflorum* (Walter) Elliott, smooth Solomon's seal ☐



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 19, 2, 24, 25, 26, 29, 30, 31, 39, 4, 41, 42, 45, 47, 5, 6, 8, *17*, *18*, *27*, *28*, *32*, *3*, *7*.

7 (103). *Yucca glauca* Nutt., soapweed yucca



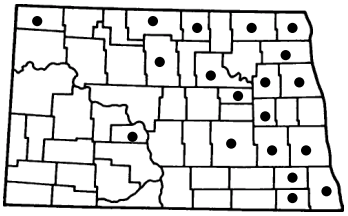
Distribution. BILLINGS, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, OLIVER, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 12, 13, 18, 24, 27, 29, 3, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7.

13. Balsaminaceae, Touch-me-not family

1 (104). *Impatiens capensis* Meerb., jewelweed

Impatiens nortonii

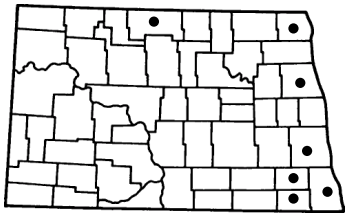


Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DIVIDE, EDDY, GRAND FORKS, GRIGGS, MCHENRY, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH.

Sources: 14, 16, 19, 26, 28, 29, 39, 4, 41, 42, 43, 44, 45, 5, 7, 8, *11*, *15*, *1*, *25*, *27*, *30*, *3*, *6*, *7*.

Photographed in VII–VIII.

2 (105). *Impatiens pallida* Nutt., pale touch-me-not



Distribution. BOTTINEAU, CASS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT.

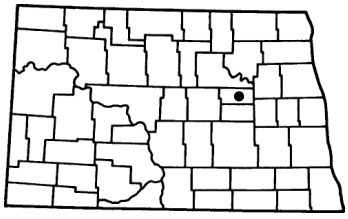
Sources: 1, 14, 15, 16, 25, 26, 27, 29, 3, 30, 39, 41, 42, 43, 45, 5, 7.

14. Berberidaceae, Barberry family

? *Berberis thunbergii* DC., Japanese barberry

Sources: 29, 38.

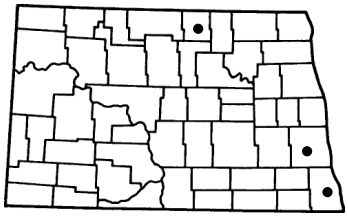
1 (106). *Berberis vulgaris* L., common barberry



Distribution. EDDY. Introduced.

Sources: 18, 27, 29, 39, 47, 8.

2 (107). *Caulophyllum thalictroides* (L.) Michx., blue cohosh

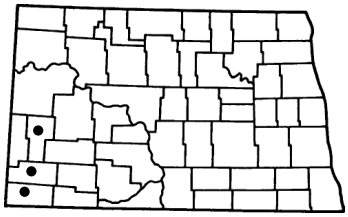


Distribution. CASS, RICHLAND, ROLETTE.

Sources: 1, 18, 25, 26, 27, 29, 3, 33, 34, 35, 39, 41, 43, 45, 47, 5.

3 (108). *Mahonia repens* (Lindl.) G. Don, creeping barberry

Berberis amplectens, Berberis pumila, Berberis repens, Berberis sonnei, Mahonia amplectens, Mahonia pumila, Mahonia sonnei, Odostemon pumilus, Odostemon repens

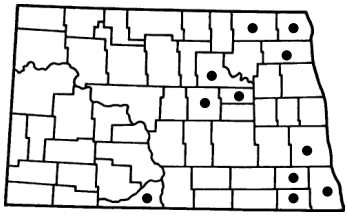


Distribution. BILLINGS, BOWMAN, SLOPE.

Sources: 29, 34, 35, 39, 43, 47, *1*, *32*, *33*, *41*.

15. Betulaceae, Birch family

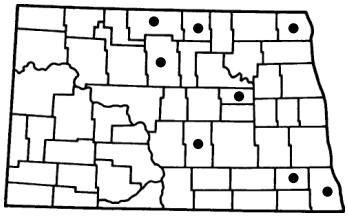
1 (109). *Alnus incana* (L.) Moench, gray alder



Distribution. BENSON, CASS, CAVALIER, EDDY, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, WALSH, WELLS.

Sources: 1, 15, 16, 18, 19, 25, 26, 29, 3, 39, 41, 42, 43, 45, 47, 48, 6, 7, 8, *27*, *30*.

2 (110). *Betula glandulosa* Michx., resin birch

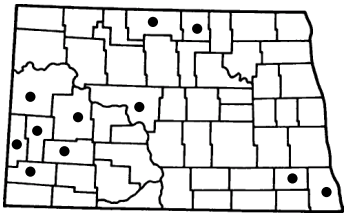


Distribution. BOTTINEAU, EDDY, KIDDER, MCHENRY, PEMBINA, RANSOM, RICHLAND, ROLETTE.

Sources: 1, 15, 16, 18, 19, 26, 31, 5, 6.

3 (111). *Betula occidentalis* Hook., water birch

Betula beeniana



Distribution. BILLINGS, BOTTINEAU, DUNN, GOLDEN VALLEY, MCKENZIE, MCLEAN, RANSOM, RICHLAND, ROLETTE, SLOPE, STARK.

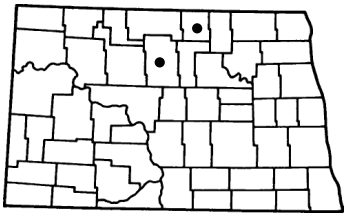
Sources: 1, 29, 32, 39, 4, 41, 43, 47, 5, 6, *24*, *27*, *5*, *7*.

Photographed in VII–VIII.

* *Betula papyrifera* Marsh., paper birch

Sources: 1, 11, 13, 14, 18, 2, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 41, 42, 43, 45, 47, 5, 6, 7, *38*, *7*.

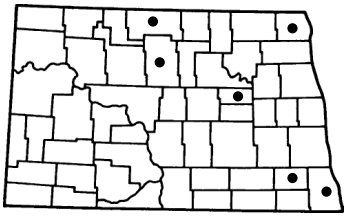
4 (112). *Betula pubescens* Ehrh., downy birch



Distribution. MCHENRY, ROLETTE. Introduced.

Sources: *7*.

5 (113). *Betula pumila* L., bog birch

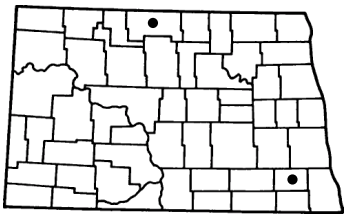


Distribution. BOTTINEAU, EDDY, MCHENRY, PEMBINA, RANSOM, RICHLAND.

Sources: 25, 27, 28, 29, 3, 30, 39, 4, 41, 43, 47.

Photographed in IX.

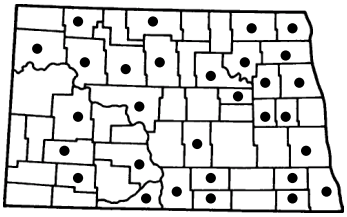
6 (114). *Betula* ×*sandbergii* Britton, Sandberg's birch



Distribution. BOTTINEAU, RANSOM.

Sources: 41, *25*, *26*, *28*, *29*, *39*.

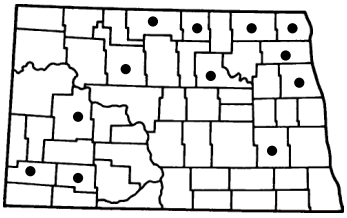
7 (115). *Corylus americana* Walter, American hazelnut



Distribution. BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MORTON, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, STARK, STEELE, WALSH, WARD, WILLIAMS.

Sources: 1, 13, 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 42, 43, 45, 47, 48, 5, 6, 7, 8, *30*, *5*.

8 (116). *Corylus cornuta* Marsh., beaked hazelnut

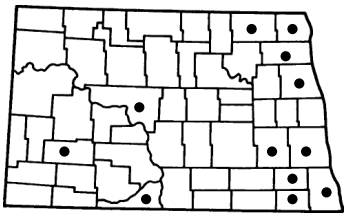


Distribution. BARNES, BENSON, BOTTINEAU, CAVALIER, DUNN, GRAND FORKS, HETTINGER, PEMBINA, ROLETTE, SLOPE, WALSH, WARD.

Sources: 1, 11, 14, 18, 24, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7.

Photographed in VII–VIII.

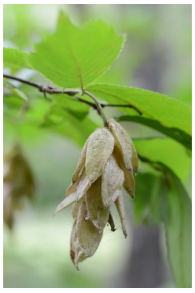
9 (117). *Ostrya virginiana* (Mill.) K. Koch, hophornbeam



Distribution. BARNES, CASS, CAVALIER, GRAND FORKS, MCLEAN, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, STARK, WALSH.

Sources: 1, 11, 14, 18, 25, 26, 27, 29, 3, 30, 39, 4, 41, 42, 43, 45, 47, 48, 6, 7, *5*.

Photographed in VII–VIII.



16. Bignoniaceae, Trumpet-creeper family

* *Campsis radicans* (L.) Seem. ex Bureau, trumpet creeper

Bignonia radicans, Tecoma radicans

Sources: 1, 29, 38, 39, 41, 43, 5.

* *Catalpa bignonioides* Walter, southern catalpa

Catalpa catalpa

Sources: 29, 34, 38, 39, 5.

* *Catalpa speciosa* (Warder) Warder ex Engelm., northern catalpa

Sources: 1, 29, 38, 39, 43.

? *Tecoma stans* (L.) Juss. ex Kunth, yellow trumpetbush

Bignonia stans, Stenolobium stans

Sources: 38, 5.

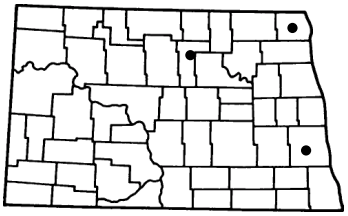
17. Boraginaceae, Borage family

? *Amsinckia lycopsoides* Lehm., tarweed fiddleneck

Amsinckia barbata, Benthamia lycopsoides

Sources: 18, 29, 3, 34.

1 (118). *Amsinckia menziesii* (Lehm.) A. Nelson & J.F. Macbr., Menzies' fiddleneck

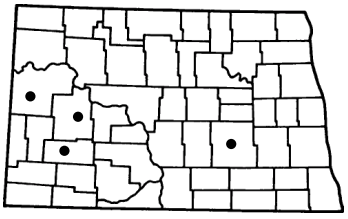


Distribution. CASS, PEMBINA, PIERCE.

Sources: 27, 29, 43, *27*, *30*, *39*, *41*.

2 (119). *Anchusa arvensis* (L.) M. Bieb., small bugloss

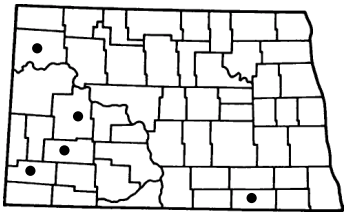
Lycopsis arvensis



Distribution. DUNN, MCKENZIE, STARK, STUTSMAN. Introduced.

Sources: 29, 39, 43, *24*, *40*, *5*.

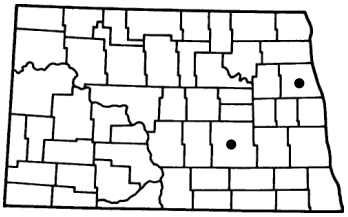
3 (120). *Asperugo procumbens* L., German-madwort



Distribution. DICKEY, DUNN, SLOPE, STARK, WILLIAMS. Introduced.

Sources: 24, 27, 29, 39, 43, 7.

4 (121). *Borago officinalis* L., common borage

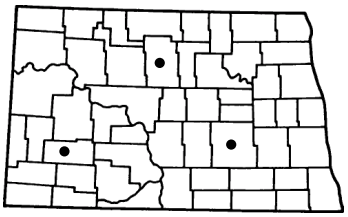


Distribution. GRAND FORKS, STUTSMAN. Introduced.

Sources: 29, 3, 39, 43, 7.

5 (122). *Buglossoides arvensis* (L.) I.M. Johnst., corn gromwell

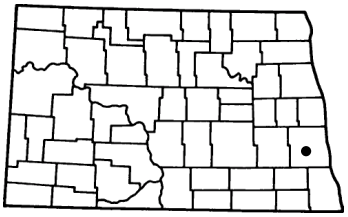
Lithospermum arvense



Distribution. MCHENRY, STARK, STUTSMAN. Introduced.

Sources: 29, 39, 40, 43, *1*, *7*.

6 (123). *Cryptantha cana* (A. Nelson) Payson, mountain cryptantha

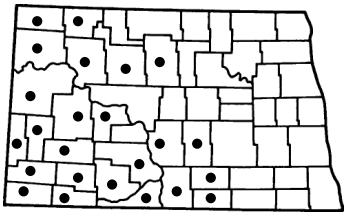


Distribution. CASS.

Sources: 45.

7 (124). *Cryptantha celosioides* (Eastw.) Payson, buttecandle

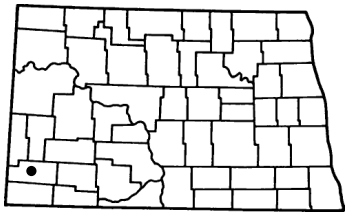
Cryptantha bradburiana, Cryptantha macounii, Cryptantha sheldonii, Oreocarya celosioides, Oreocarya glomerata, Oreocarya macounii, Oreocarya sheldonii



Distribution. ADAMS, BILLINGS, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 12, 13, 29, 31, 4, 41, 43, 45, 5, 6, 7, *13*, *17*, *18*, *24*, *27*, *32*, *39*, *3*, *45*, *5*, *7*.

8 (125). *Cryptantha minima* Rydb., little cryptantha ☐



Distribution. SLOPE.

Sources: 32, 39, 5.

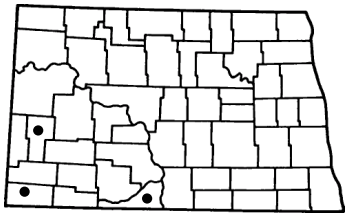
† *Cryptantha sericea* (A. Gray) Payson, silky cryptantha ☐

Oreocarya sericea

Sources: 18.

9 (126). *Cryptantha torreyana* (A. Gray) Greene, Torrey's cryptantha ☐

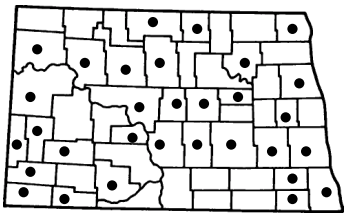
Cryptantha calycosa, Cryptantha eastwoodiae



Distribution. BILLINGS, BOWMAN, SIOUX.

Sources: 29, 33, 34, 35, 39, 41, 43, *27*, *32*, *5*, *7*.

10 (127). *Cynoglossum officinale* L., gypsyflower

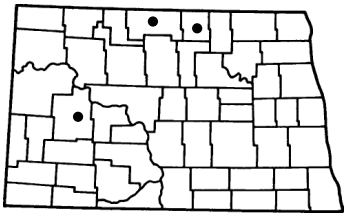


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, EDDY, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, MCHENRY, MCKENZIE, MCLEAN, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 14, 19, 24, 25, 27, 29, 3, 31, 36, 39, 4, 40, 43, 45, 5, 6, 7, 8, *26*.

Photographed in VI–VII.

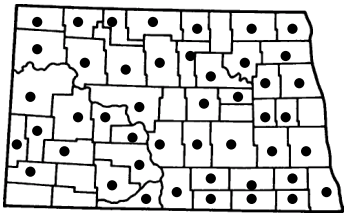
11 (128). *Cynoglossum virginianum* L., wild comfrey



Distribution. BOTTINEAU, DUNN, ROLETTE.

Sources: 29, 34, 41, 43, 5, *24*, *27*, *39*, *5*, *6*, *7*.

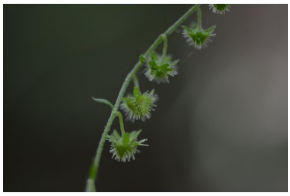
12 (129). *Hackelia deflexa* (Wahlenb.) Opiz, nodding stickseed



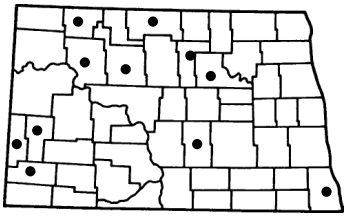
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 18, 19, 2, 21, 24, 25, 26, 29, 3, 30, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *17*, *27*, *28*, *31*, *5*, *7*.

Photographed in VI–VIII.



13 (130). *Hackelia floribunda* (Lehm.) I.M. Johnst., manyflower stickseed



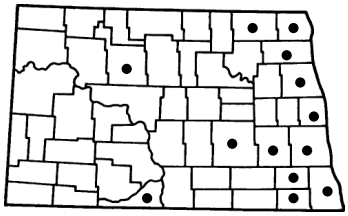
Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, GOLDEN VALLEY, KIDDER, MOUNTRAIL, PIERCE, RICHLAND, SLOPE, WARD.

Sources: 1, 13, 17, 18, 27, 28, 29, 31, 32, 39, 4, 41, 43, 5, 7.

Photographed in VI.

14 (131). *Hackelia virginiana* (L.) I.M. Johnst., beggarslice

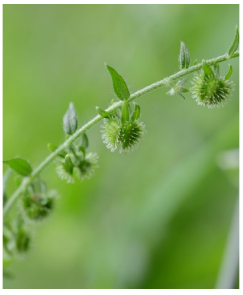
Lappula virginiana, Myosotis virginiana



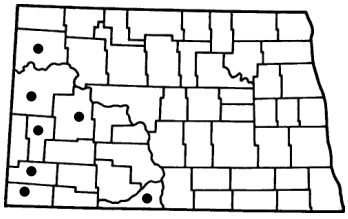
Distribution. BARNES, CASS, CAVALIER, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN, TRAILL, WALSH, WARD.

Sources: 1, 11, 25, 26, 29, 39, 4, 41, 42, 43, 45, 5, 6, 7.

Photographed in V–VIII.



15 (132). *Lappula cenchrusoides* A. Nelson, Great Plains stickseed

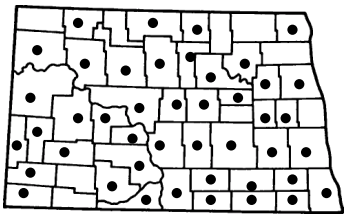


Distribution. BILLINGS, BOWMAN, DUNN, MCKENZIE, SIOUX, SLOPE, WILLIAMS.

Sources: 1, 13, 27, 29, 32, 34, 39, 4, 43, 5, 7.

Photographed in VIII.

16 (133). *Lappula occidentalis* (S. Watson) Greene, flatspine stickseed



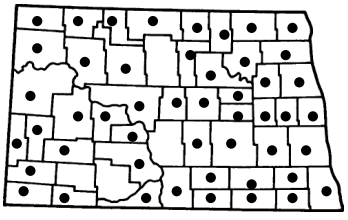
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 12, 29, 3, 4, 41, 42, 43, 45, 5, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *43*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VI.

17 (134). *Lappula squarrosa* (Retz.) Dumort., European stickseed

Lappula echinata, Lappula erecta, Lappula lappula, Lappula myosotis

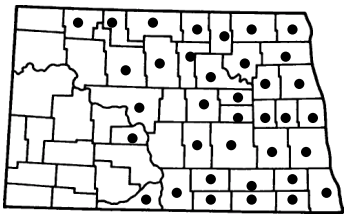


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 14, 29, 39, 4, 42, 43, *10*, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *45*, *5*, *6*, *7*, *8*, *9*.
Photographed in VII.

18 (135). *Lithospermum canescens* (Michx.) Lehm., hoary puccoon

Batschia canescens

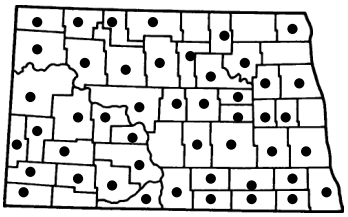


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *21*, *7*.
Photographed in V–VII.

19 (136). *Lithospermum incisum* Lehm., narrowleaf stoneseed

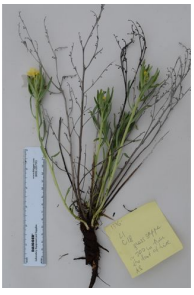
Lithospermum mandanense



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 7.

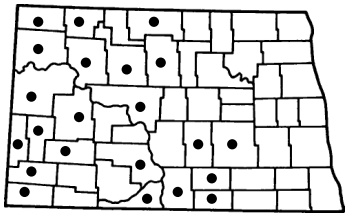
Photographed in V–IX.



† *Lithospermum occidentale* (Mack.) Weakley, Witsell & D. Estes, Western marbleseed

Sources: 39.

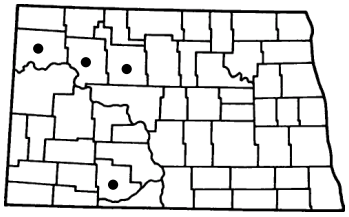
20 (137). *Mertensia lanceolata* (Pursh) DC., prairie bluebells



Distribution. BILLINGS, BOTTINEAU, BOWMAN, BURKE, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 12, 17, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, *13*.

21 (138). *Mertensia oblongifolia* (Nutt.) G. Don, oblongleaf bluebells

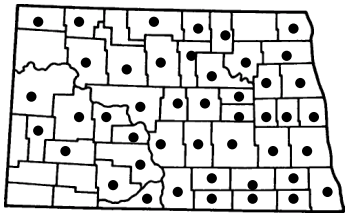


Distribution. GRANT, MOUNTRAIL, WARD, WILLIAMS.

Sources: 1, 29, 4, 43, *39*.

22 (139). *Onosmodium bejariense* DC. ex A. DC., soft-hair marbleseed ☐

Lithospermum incisum



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS.

Sources: 14, 29, 4, 41, 42, 5, *10*, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

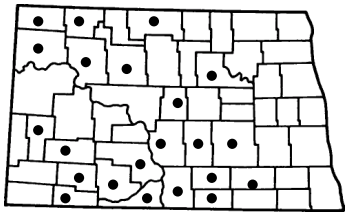
Photographed in VI–IX.

† *Plagiobothrys leptocladus* (Greene) I.M. Johnst., finebranched popcornflower ☐

Allocarya leptoclada, Plagiobothrys orthocarpus

Sources: 29, 39.

23 (140). *Plagiobothrys scouleri* (Hook. & Arn.) I.M. Johnst., Scouler's popcornflower ☐

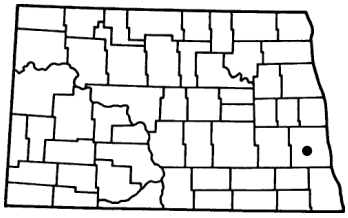


Distribution. ADAMS, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, DIVIDE, EMMONS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, MOUNTRAIL, SHERIDAN, SIOUX, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 15, 16, 24, 29, 31, 4, 41, 43, 45, 6, *13*, *17*, *18*, *27*, *28*, *32*, *39*, *3*, *5*.

Photographed in V.

24 (141). *Symphytum officinale* L., common comfrey

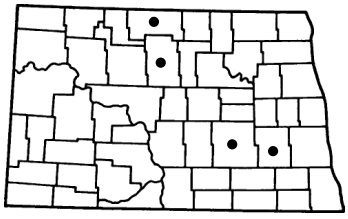


Distribution. CASS. Introduced.

Sources: 5.

18. Butomaceae, Flowering Rush family

1 (142). *Butomus umbellatus* L., flowering rush



Distribution. BARNES, BOTTINEAU, MCHENRY, STUTSMAN. Introduced.

Sources: 11, 15, 16, 29, 33, 39, 40, 43, 47, 5.

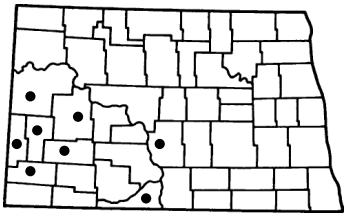
19. Cactaceae, Cactus family

? *Echinocereus coccineus* Engelm., scarlet hedgehog cactus

Sources: 38, 5.

1 (143). *Escobaria missouriensis* (Sweet) D.R. Hunt, Missouri foxtail cactus

Coryphantha missouriensis, Coryphantha similis, Mammillaria missouriensis, Mammillaria similis, Neobesseya missouriensis, Neobesseya wissmannii, Neomammillaria similis

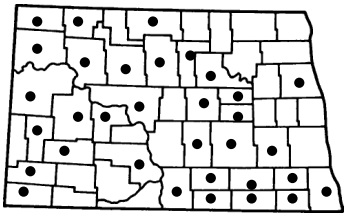


Distribution. BILLINGS, BURLEIGH, DUNN, GOLDEN VALLEY, MCKENZIE, SIOUX, SLOPE, STARK.

Sources: 12, 29, 39, 43, 47, 5, *1*, *24*, *27*, *32*, *33*, *35*, *41*, *5*, *7*.

2 (144). *Escobaria vivipara* (Nutt.) Buxbaum, spinystar

Coryphantha vivipara

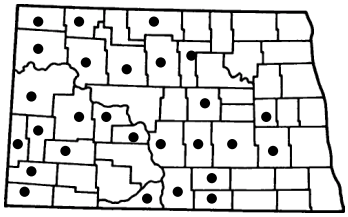


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PIERCE, RANSOM, RICHLAND, SARGENT, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 42, 43, 47, 7, *11*, *13*, *17*, *19*, *1*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *41*, *44*, *5*, *6*, *7*, *8*.

Photographed in VI–IX.

3 (145). *Opuntia fragilis* (Nutt.) Haw., brittle pricklypear

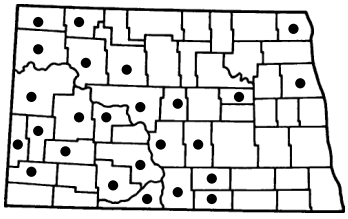


Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, OLIVER, PIERCE, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 19, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7.

Photographed in IX.

4 (146). *Opuntia polyacantha* Haw., plains pricklypear



Distribution. BILLINGS, BURKE, BURLEIGH, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, SHERIDAN, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

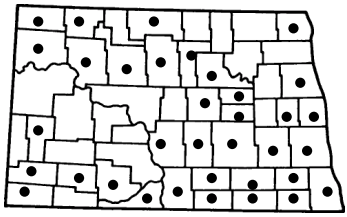
Sources: 1, 12, 18, 29, 3, 39, 4, 41, 42, 43, 45, 47, 5, *13*, *17*, *24*, *27*, *31*, *32*, *44*, *6*, *7*.

† *Portulaca grandiflora* Hook., rose moss

Sources: 18, 39, 47.

5 (147). *Portulaca oleracea* L., little hogweed

Portulaca neglecta, Portulaca retusa



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 19, 2, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 43, 44, 45, 47, 5, 6, 7, 8, *12*, *7*.

Photographed in VII–IX.

20. Calycanthaceae, Strawberry-shrub family

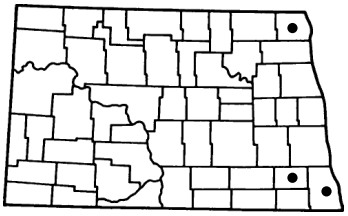
? *Calycanthus floridus* L., eastern sweetshrub

Sources: 39, *7*.

21. Campanulaceae, Bellflower family

1 (148). *Campanula aparinoides* Pursh, marsh bellflower

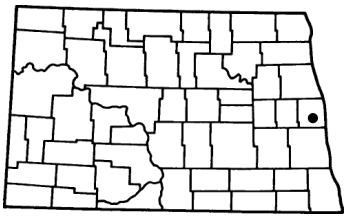
Campanula uliginosa



Distribution. PEMBINA, RANSOM, RICHLAND.

Sources: 1, 15, 25, 26, 27, 29, 3, 33, 34, 35, 39, 41, 43, 5, 7, 7.

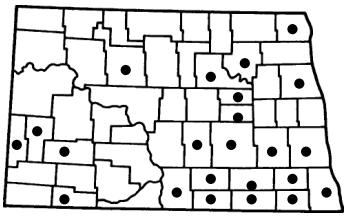
2 (149). *Campanula glomerata* L., Dane's blood



Distribution. TRAILL. Introduced.

Sources: 29, 39, 5.

3 (150). *Campanula rapunculoides* L., rampion bellflower

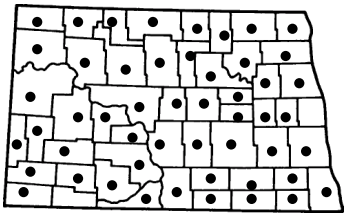


Distribution. ADAMS, BARNES, BENSON, BILLINGS, CASS, DICKEY, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STARK, STUTSMAN, WARD. Introduced.

Sources: 1, 11, 19, 2, 21, 24, 25, 26, 27, 29, 30, 31, 32, 39, 4, 40, 43, 5, 7, 8.

Photographed in VI–VIII.

4 (151). *Campanula rotundifolia* L., bluebell bellflower



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *13*.

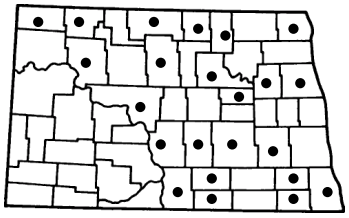
Photographed in VI–IX.

? *Lobelia erinus* L., edging lobelia

Lobelia erinoides, Lobelia halei

Sources: 38, 5.

5 (152). *Lobelia kalmii* L., Ontario lobelia

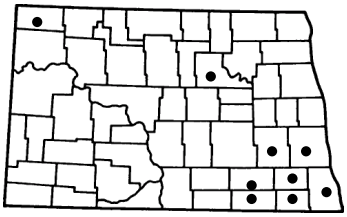


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, DIVIDE, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, NELSON, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, TOWNER.

Sources: 1, 13, 15, 16, 19, 25, 26, 27, 29, 3, 30, 31, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, *11*, *18*, *28*, *9*.

Photographed in IX.

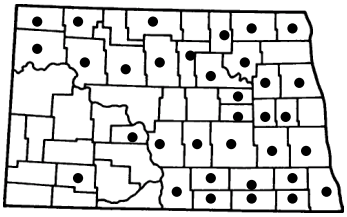
6 (153). *Lobelia siphilitica* L., great blue lobelia



Distribution. BARNES, BENSON, CASS, DICKEY, DIVIDE, LAMOURE, RANSOM, RICHLAND, SARGENT.

Sources: 1, 11, 15, 16, 2, 25, 26, 27, 29, 39, 41, 43, 45, 5, 6, 7, *5*.

7 (154). *Lobelia spicata* Lam., palespike lobelia



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, TOWNER, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 5, 6, 7, 8, 9, *18*, *43*, *7*.

Photographed in VII–VIII.

? *Nemacladus longiflorus* A. Gray, longflower threadplant

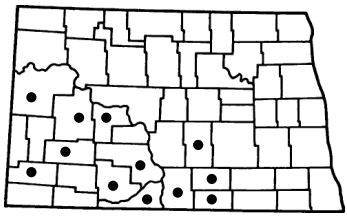
Sources: 7.

? *Platycodon grandiflorus* (Jacq.) A. DC., balloon-flower

Sources: 38, 5.

8 (155). *Triodanis leptocarpa* (Nutt.) Nieuwl., slimpod Venus' looking-glass

Specularia leptocarpa

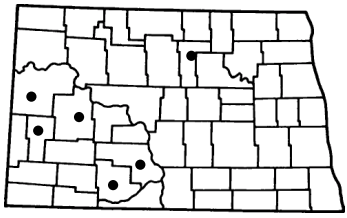


Distribution. DUNN, EMMONS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, SIOUX, SLOPE, STARK.

Sources: 1, 24, 29, 31, 39, 4, 41, 43, 5, 6, *27*.

Photographed in VII.

9 (156). *Triodanis perfoliata* (L.) Nieuwl., clasping Venus' looking-glass

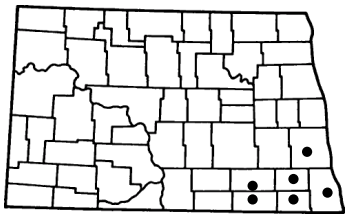


Distribution. BILLINGS, DUNN, GRANT, MCKENZIE, MORTON, PIERCE.

Sources: 1, 29, 3, 39, 41, 43, 5, 7, *27*.

22. Cannabaceae, Hemp family

1 (157). *Cannabis sativa* L., marijuana

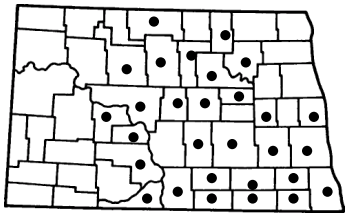


Distribution. CASS, DICKEY, LAMOURE, RANSOM, RICHLAND, SARGENT. Introduced.

Sources: 1, 18, 2, 25, 26, 27, 29, 3, 37, 39, 40, 43, 47, 6, 7.

2 (158). *Celtis occidentalis* L., common hackberry

Celtis canina, Celtis pumila



Distribution. BARNES, BENSON, BOTTINEAU, CASS, DICKEY, EDDY, EMMONS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, OLIVER, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, STUTSMAN, TOWNER, TRAILL, WARD, WELLS.

Sources: 1, 11, 17, 19, 2, 21, 25, 27, 28, 29, 3, 31, 39, 4, 41, 42, 43, 45, 47, 48, 5, 6, 7, 8, *26*.

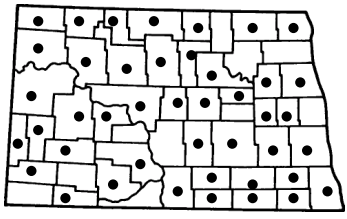
Photographed in VII–IX.

? *Humulus japonicus* Siebold & Zucc., Japanese hop

Humulus scandens

Sources: 29, 47.

3 (159). *Humulus lupulus* L., common hop



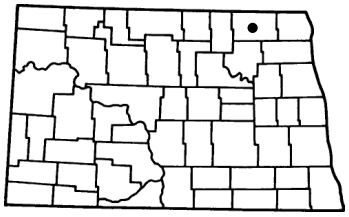
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 13, 14, 17, 19, 2, 24, 25, 26, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *27*, *32*.

23. Caprifoliaceae, Honeysuckle family

1 (160). *Diervilla lonicera* Mill., northern bush honeysuckle ☐

Diervilla diervilla

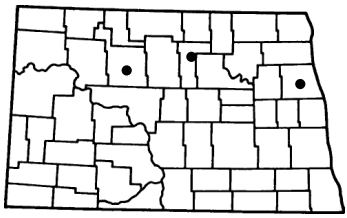


Distribution. CAVALIER.

Sources: 29, 34, 35, 39, 41, 43, 5.

2 (161). *Knautia arvensis* (L.) J.M. Coult., field scabiosa

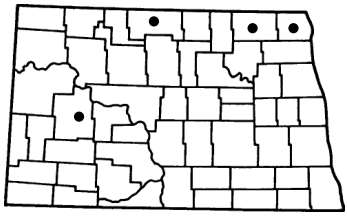
Scabiosa arvensis



Distribution. GRAND FORKS, PIERCE, WARD. Introduced.

Sources: 17, 27, 29, 3, 39, 43, 5.

3 (162). *Linnaea borealis* L., twinflower

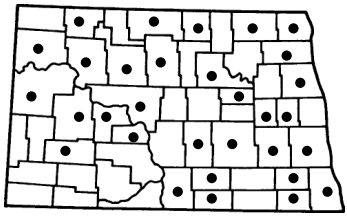


Distribution. BOTTINEAU, CAVALIER, DUNN, PEMBINA.

Sources: 1, 24, 27, 29, 33, 39, 41, 43, 5, 6, 7, *28*.

4 (163). *Lonicera dioica* L., limber honeysuckle

Lonicera glaucescens



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

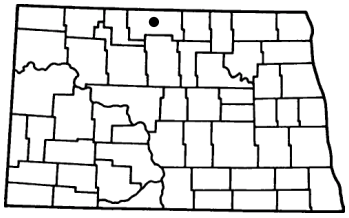
Sources: 1, 11, 13, 14, 17, 24, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *17*, *30*, *5*, *7*.

? *Lonicera hirsuta* Eaton, hairy honeysuckle

Sources: 45.

5 (164). *Lonicera japonica* Thunb., Japanese honeysuckle

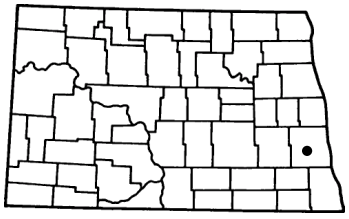
Nintooa japonica



Distribution. BOTTINEAU. Introduced.

Sources: 5.

6 (165). *Lonicera maackii* (Rupr.) Herder, Amur honeysuckle

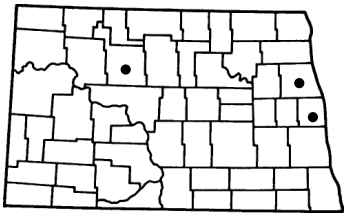


Distribution. CASS. Introduced.

Sources: 29, 39, *5*.

7 (166). *Lonicera morrowii* A. Gray, Morrow's honeysuckle ☐

Lonicera insularis

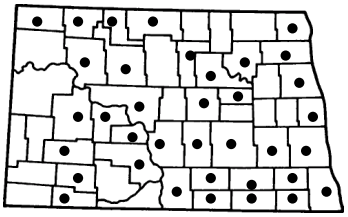


Distribution. GRAND FORKS, TRAILL, WARD. Introduced.

Sources: 43, 7, *17*.

8 (167). *Lonicera tatarica* L., Tatarian honeysuckle ☐

Lonicera sibirica

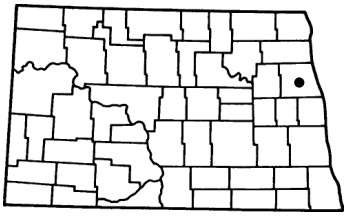


Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, STARK, STUTSMAN, TRAILL, WALSH, WARD, WELLS. Introduced.

Sources: 1, 11, 13, 17, 18, 19, 2, 21, 25, 26, 27, 28, 29, 30, 31, 39, 4, 40, 42, 43, 44, 45, 5, 6, 8, *5*, *6*, 7.

Photographed in VI–VIII.

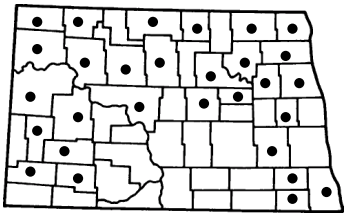
9 (168). *Lonicera* ×*bella* Zab., showy fly honeysuckle ☐



Distribution. GRAND FORKS. Introduced.

Sources: 45.

10 (169). *Symphoricarpos albus* (L.) S.F. Blake, common snowberry ☐



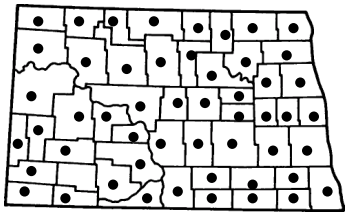
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CAVALIER, DIVIDE, DUNN, EDDY, GRAND FORKS, HETTINGER, MCHENRY, MCKENZIE, MCLEAN, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 18, 19, 24, 26, 27, 28, 29, 39, 4, 41, 42, 43, 45, 5, 7, 8, *30*, 7.

Photographed in VII–IX.

11 (170). *Symphoricarpos occidentalis* Hook., western snowberry

Symphoricarpos occedentalis



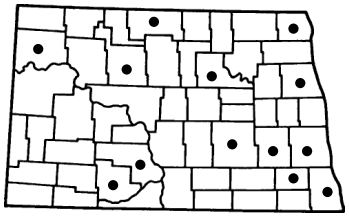
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *13*, *17*, *2*, *30*, *7*.

Photographed in VII–VIII.

24. Caryophyllaceae, Pink family

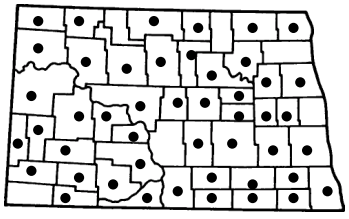
1 (171). *Agrostemma githago* L., common corncockle ☐



Distribution. BARNES, BENSON, BOTTINEAU, CASS, GRAND FORKS, GRANT, MORTON, PEMBINA, RANSOM, RICHLAND, STUTSMAN, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 26, 28, 29, 3, 39, 40, 43, 45, 47, 5, 7, *25*, *27*, *30*.

2 (172). *Cerastium arvense* L., field chickweed ☐

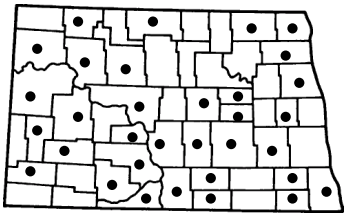


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9.

Photographed in V–VII.

3 (173). *Cerastium brachypodum* (Engelm. ex A. Gray) B.L. Rob., shortstalk chickweed ☐

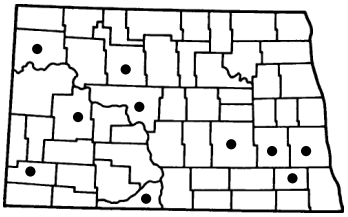


Distribution. BARNES, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CAVALIER, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 12, 15, 16, 17, 18, 19, 24, 26, 27, 28, 29, 3, 31, 39, 4, 41, 43, 45, 47, 5, 6, 8, 7.

4 (174). *Cerastium fontanum* Baumg., common mouse-ear chickweed ☐

Cerastium vulgatum

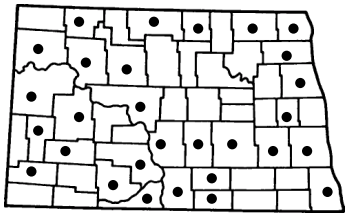


Distribution. BARNES, CASS, DUNN, MCLEAN, RANSOM, SIOUX, SLOPE, STUTSMAN, WARD, WILLIAMS. Introduced.

Sources: 29, 39, 4, 40, 41, 43, 45, 47, 5, *11*, *13*, *17*, *1*, *24*, *27*, *7*.

Photographed in V–VI.

5 (175). *Cerastium nutans* Raf., nodding chickweed



Distribution. BARNES, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DUNN, EMMONS, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, PEMBINA, RICHLAND, ROLETTE, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

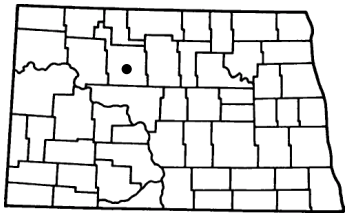
Sources: 1, 11, 13, 14, 15, 16, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 44, 45, 47, 7.

Photographed in VI.

? *Dianthus barbatus* L., sweetwilliam

Sources: 29.

6 (176). *Dianthus plumarius* L., feathered pink



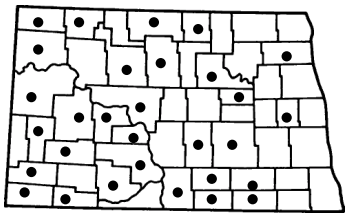
Distribution. WARD. Introduced.

Sources: 29, 39, 43.

† *Gypsophila elegans* M. Bieb., showy baby's-breath

Sources: 18, 29, 39, 47.

7 (177). *Gypsophila paniculata* L., baby's breath

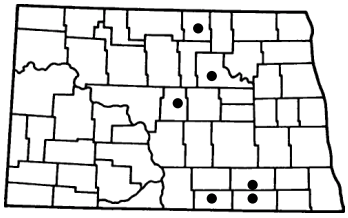


Distribution. ADAMS, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, OLIVER, ROLETTE, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 19, 2, 24, 27, 29, 31, 36, 39, 4, 40, 43, 44, 45, 47, 5, 6, 8.

Photographed in VI.

8 (178). *Lychnis chalcedonica* L., maltesecross

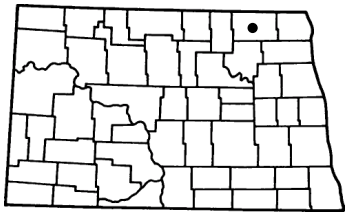


Distribution. BENSON, DICKEY, LAMOURE, MCINTOSH, ROLETTE, SHERIDAN. Introduced.

Sources: 2, 29, 31, 43, 5, *18*, *39*.

9 (179). *Minuartia dawsonensis* (Britton) House, rock stitchwort

Arenaria dawsonensis, Arenaria litorea

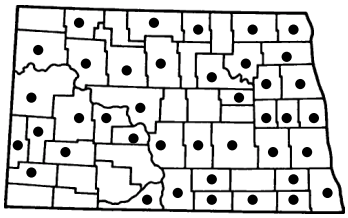


Distribution. CAVALIER.

Sources: 29, 34, 39, 41, 43, 47, 5.

10 (180). *Moehringia lateriflora* (L.) Fenzl, bluntleaf sandwort

Arenaria lateriflora

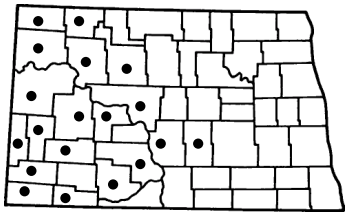


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 14, 18, 29, 3, 39, 4, 41, 43, 45, 47, 5, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *30*, *31*, *32*, *6*, *7*, *8*.

Photographed in VI.

11 (181). *Paronychia sessiliflora* Nutt., creeping nailwort

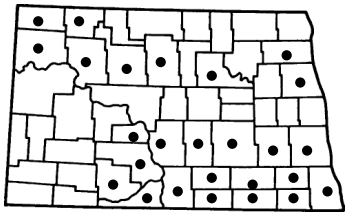


Distribution. ADAMS, BILLINGS, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, GOLDEN VALLEY, GRANT, KIDDER, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 13, 18, 24, 27, 29, 3, 31, 32, 39, 4, 41, 43, 47, 5, 7, *17*.

Photographed in VI–VIII.

12 (182). *Saponaria officinalis* L., bouncingbet

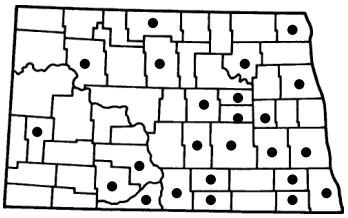


Distribution. BARNES, BENSON, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MORTON, MOUNTRAIL, OLIVER, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 18, 2, 25, 26, 27, 29, 31, 39, 4, 40, 42, 43, 45, 47, 5, 6, 7.

Photographed in IX.

13 (183). *Silene antirrhina* L., sleepy silene ☐

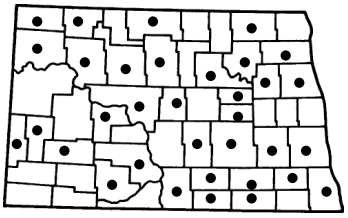


Distribution. BARNES, BILLINGS, BOTTINEAU, CASS, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MORTON, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN, WELLS.

Sources: 1, 11, 13, 18, 19, 21, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 47, 5, 6, 8.

14 (184). *Silene csereii* Baumg., Balkan catchfly ☐

Silene cserei

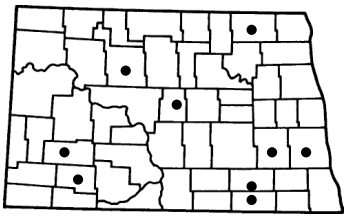


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, RAMSEY, RANSOM, RICHLAND, SHERIDAN, STARK, STUTSMAN, WALSH, WARD, WILLIAMS. Introduced.

Sources: 29, 39, 4, 43, 45, 47, 5, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *6*, *7*, *8*.

Photographed in VI–X.

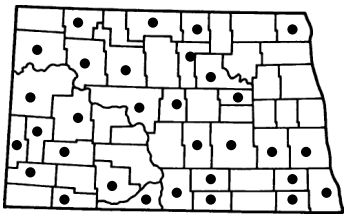
15 (185). *Silene dichotoma* Ehrh., forked catchfly ☐



Distribution. BARNES, CASS, CAVALIER, DICKEY, HETTINGER, LAMOURE, SHERIDAN, STARK, WARD. Introduced.

Sources: 2, 27, 29, 39, 43, 5, 7.

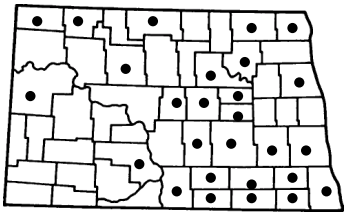
16 (186). *Silene drummondii* Hook., Drummond's campion ☐



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 18, 19, 24, 26, 29, 3, 39, 4, 41, 43, 45, 47, 5, *11*, *13*, *1*, *25*, *27*, *28*, *30*, *31*, *32*, *7*.

17 (187). *Silene latifolia* Poir., bladder campion ☐

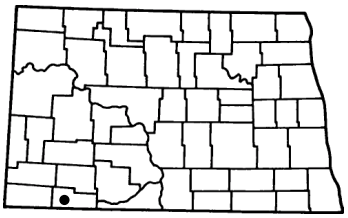


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MORTON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, STUTSMAN, WARD, WELLS. Introduced.

Sources: 18, 29, 39, 4, 40, 42, 43, 47, 5, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *44*, *6*, *7*.

Photographed in VII–IX.

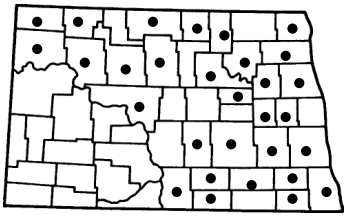
18 (188). *Silene menziesii* Hook., Menzies' campion ☐



Distribution. ADAMS.

Sources: 20.

19 (189). *Silene noctiflora* L., nightflowering silene ☐



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 18, 19, 21, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 40, 42, 43, 45, 47, 5, 6, 7, 8, 9.

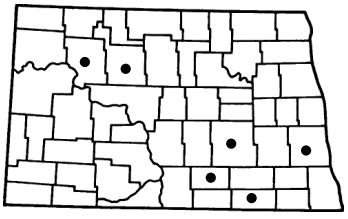
Photographed in VI–X.

? *Silene stellata* (L.) W.T. Aiton, widowsfrill ☐

Sources: 29.

20 (190). *Silene vulgaris* (Moench) Garcke, maidenstears ☐

Oberna commutata, Silene cucubalus

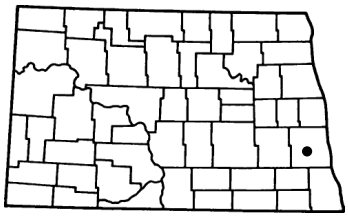


Distribution. CASS, DICKEY, LOGAN, MOUNTRAIL, STUTSMAN, WARD. Introduced.

Sources: 29, 39, 4, 40, 41, 43, 47.

21 (191). *Spergula arvensis* L., corn spurry ☐

Spergula sativa

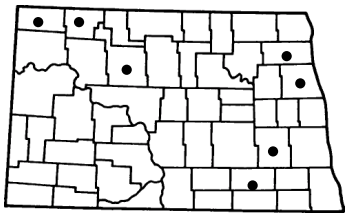


Distribution. CASS. Introduced.

Sources: 18, 27, 29, 3, 39, 41, 43, 45.

22 (192). *Spergularia maritima* (All.) Chiov., media sandspurry ☐

Spergularia marginata, Spergularia media

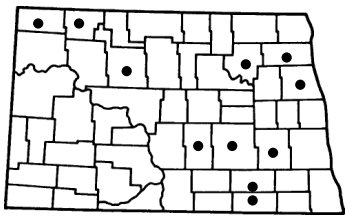


Distribution. BARNES, BURKE, DIVIDE, GRAND FORKS, LAMOURE, WALSH, WARD. Introduced.

Sources: 29, 43, 47, *13*, *17*, *27*, *39*.

23 (193). *Spergularia salina* J. Presl & C. Presl, salt sandspurry ☐

Spergularia alata, Spergularia leiosperma, Spergularia marina, Tissa marina, Tissa tenuis



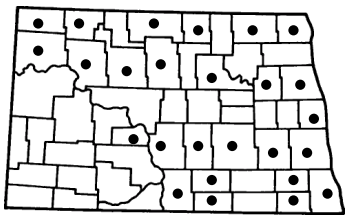
Distribution. BARNES, BURKE, DICKEY, DIVIDE, GRAND FORKS, KIDDER, LAMOURE, RAMSEY, STUTSMAN, WALSH, WARD.

Sources: 29, 4, 43, 47, 5, *11*, *15*, *16*, *18*, *2*, *39*, *3*, *6*.

? *Stellaria borealis* Bigelow, boreal starwort ☐

Sources: 18.

24 (194). *Stellaria crassifolia* Ehrh., fleshy starwort ☐

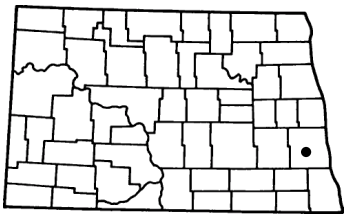


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, TRAILL, WARD, WILLIAMS.

Sources: 1, 11, 15, 16, 17, 26, 27, 29, 39, 4, 41, 43, 44, 45, 47, 5, *13*, *18*, *30*, *31*, *3*.

25 (195). *Stellaria graminea* L., grass-like starwort ☐

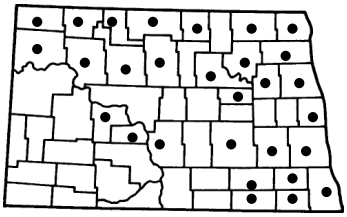
Alsine graminea



Distribution. CASS. Introduced.

Sources: 29, 39, 43.

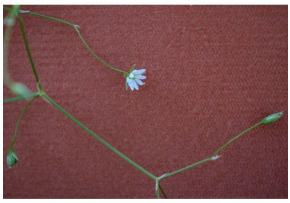
26 (196). *Stellaria longifolia* Muhl. ex Willd., longleaf starwort ☐



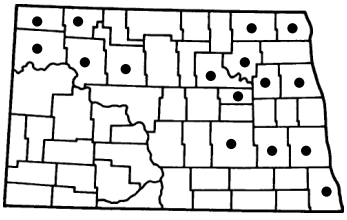
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, GRAND FORKS, LAMOURE, MCHENRY, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 14, 15, 16, 17, 18, 19, 2, 21, 25, 26, 27, 29, 3, 30, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *13*.

Photographed in VII.



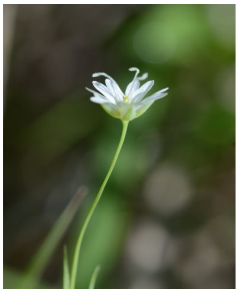
27 (197). *Stellaria longipes* Goldie, longstalk starwort ☐



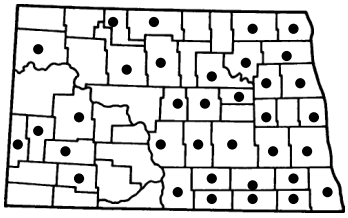
Distribution. BARNES, BENSON, BURKE, CASS, CAVALIER, DIVIDE, EDDY, GRAND FORKS, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RICHLAND, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 17, 18, 19, 21, 27, 29, 3, 39, 4, 41, 43, 47, 5, 6, 7, *16*, *30*.

Photographed in VI–VII.



28 (198). *Stellaria media* (L.) Vill., common chickweed ☐



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, NELSON, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, STARK, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 43, 45, 47, 5, 6, 7, *40*.

Photographed in VII.

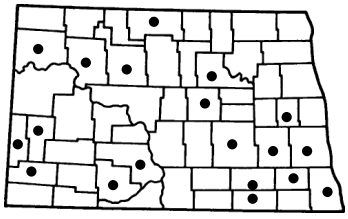
? *Stellaria umbellata* Turcz. ex Kar. & Kir., umbrella starwort ☐

Alsine baicalensis, Stellaria gonomischa, Stellaria weberi, Stemodia arizonica

Sources: 7.

29 (199). *Vaccaria hispanica* (Mill.) Rauschert, cow soapwort ☐

Saponaria vaccaria, Vaccaria pyramidata, Vaccaria segetalis, Vaccaria vaccaria, Vaccaria vulgaris

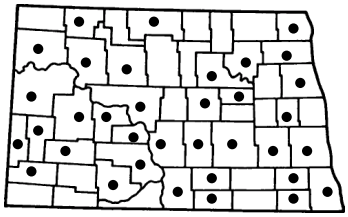


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, DICKEY, GOLDEN VALLEY, GRANT, LAMOURE, MORTON, MOUNTRAIL, RANSOM, RICHLAND, SLOPE, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 18, 29, 39, 4, 43, 47, 5, *11*, *13*, *17*, *19*, *1*, *25*, *26*, *27*, *28*, *2*, *32*, *7*.

25. Celastraceae, Bittersweet family

1 (200). *Celastrus scandens* L., American bittersweet

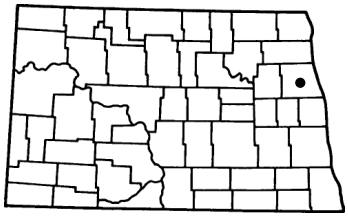


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 11, 13, 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *1*.

2 (201). *Euonymus alatus* (Thunb.) Siebold, burningbush

Euonymus alata, Euonymus alata

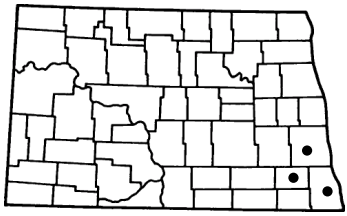


Distribution. GRAND FORKS. Introduced.

Sources: 7.

3 (202). *Euonymus atropurpureus* Jacq., burningbush

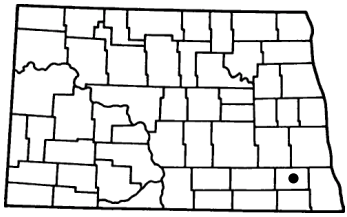
Euonymus atropurpurea



Distribution. CASS, RANSOM, RICHLAND.

Sources: 1, 18, 25, 26, 29, 33, 34, 35, 39, 41, 43, 45, 47, 5, 7, *27*.

4 (203). *Parnassia caroliniana* Michx., Carolina grass of Parnassus ☐

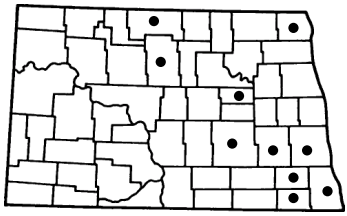


Distribution. RANSOM.

Sources: 18, 3, 7.

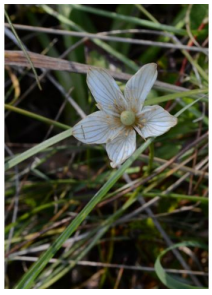
5 (204). *Parnassia glauca* Raf., fen grass of Parnassus ☐

Parnassia americana

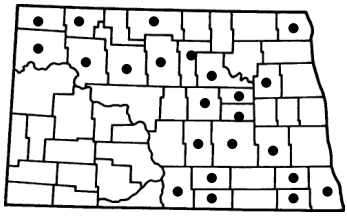


Distribution. BARNES, BOTTINEAU, CASS, EDDY, MCHENRY, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 11, 15, 16, 19, 25, 26, 27, 28, 29, 30, 39, 4, 41, 43, 47, 8.



6 (205). *Parnassia palustris* L., marsh grass of Parnassus



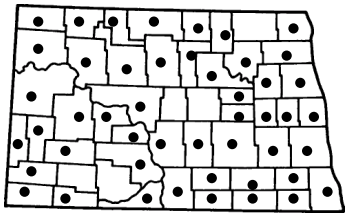
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, DIVIDE, EDDY, EMMONS, FOSTER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 18, 19, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *15*, *18*, *35*, *39*, *9*.

26. Ceratophyllaceae, Hornwort family

1 (206). *Ceratophyllum demersum* L., coon's tail

Ceratophyllum apiculatum



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WILLIAMS.

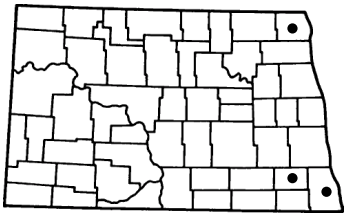
Sources: 1, 11, 12, 15, 16, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, *13*, *9*.

Photographed in VII–VIII.

27. Cistaceae, Rock-rose family

1 (207). *Helianthemum bicknellii* Fernald, hoary frostweed

Crocanthemum bicknellii, Crocanthemum majus



Distribution. PEMBINA, RANSOM, RICHLAND.

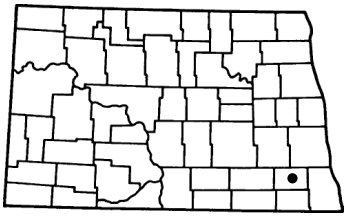
Sources: 1, 25, 26, 27, 29, 30, 33, 34, 35, 41, 43, 45, 5, 7, *39*, *5*.

† *Helianthemum canadense* (L.) Michx., longbranch frostweed

Crocanthemum canadense

Sources: 3.

2 (208). *Hudsonia tomentosa* Nutt., woolly beachheather



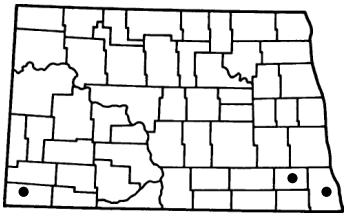
Distribution. RANSOM.

Sources: 25, 26, 27, 29, 3, 33, 34, 35, 39, 41, 43, 45, 47, 5.

? *Lechea intermedia* Leggett ex Britton, largepod pinweed

Sources: 29, 47.

3 (209). *Lechea stricta* Leggett ex Britton, prairie pinweed

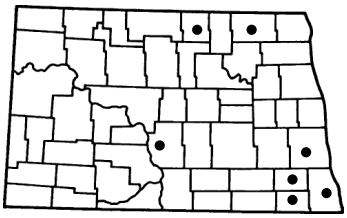


Distribution. BOWMAN, RANSOM, RICHLAND.

Sources: 1, 25, 26, 27, 29, 3, 32, 33, 34, 35, 39, 41, 43, 45, 47, 5, *5*.

28. Colchicaceae, Autumn crocus family

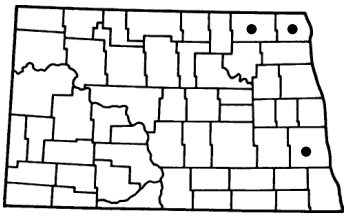
1 (210). *Uvularia grandiflora* Sm., largeflower bellwort



Distribution. BURLEIGH, CASS, CAVALIER, RANSOM, RICHLAND, ROLETTE, SARGENT.

Sources: 1, 25, 26, 27, 29, 3, 39, 41, 45, 47, 6, 7.

2 (211). *Uvularia sessilifolia* L., sessileleaf bellwort



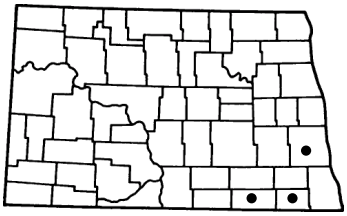
Distribution. CASS, CAVALIER, PEMBINA.

Sources: 1, 18, 27, 29, 3, 34, 39, 41, 42, 43, 47, 5, 7, *35*, *5*.

29. Commelinaceae, Spiderwort family

1 (212). *Commelina communis* L., Asiatic dayflower

Commelina debilis, Commelina willdenowii

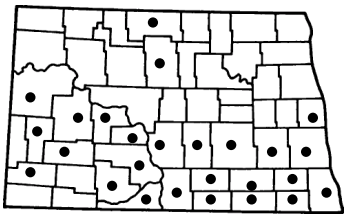


Distribution. CASS, DICKEY, SARGENT. Introduced.

Sources: 1, 29, 39, 40, 43, 5.

2 (213). *Tradescantia bracteata* Small, longbract spiderwort

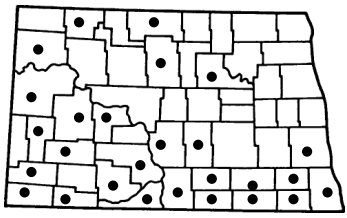
Setcreasea ovata



Distribution. BARNES, BILLINGS, BOTTINEAU, BURLEIGH, CASS, DICKEY, DUNN, EMMONS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, OLIVER, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, TRAILL.

Sources: 1, 11, 12, 2, 26, 27, 28, 29, 3, 31, 32, 39, 41, 42, 43, 44, 45, 47, 5, 6, 7, *25*.

3 (214). *Tradescantia occidentalis* (Britton) Smyth, prairie spiderwort

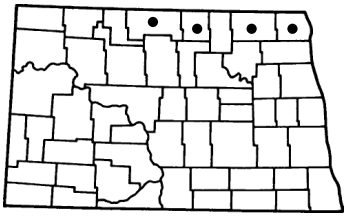


Distribution. ADAMS, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EMMONS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 13, 18, 2, 24, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, *25*, *45*.

30. Compositae, Aster family

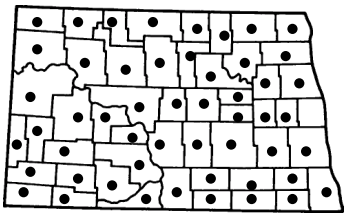
1 (215). *Achillea alpina* L., Chinese yarrow ☐



Distribution. BOTTINEAU, CAVALIER, PEMBINA, ROLETTE.

Sources: 18, 3, 39, 45, 47.

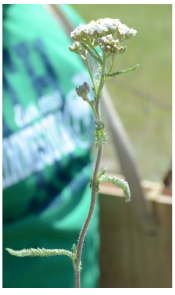
2 (216). *Achillea millefolium* L., common yarrow ☐



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 12, 13, 14, 18, 19, 2, 21, 24, 25, 26, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*, *27*, *28*, *32*, *43*, *45*, *5*, *7*.

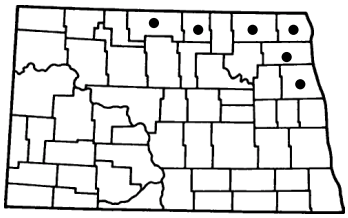
Photographed in VI–IX.



? *Achillea ptarmica* L., sneezeweed ☐

Sources: 18, 38, 47.

3 (217). *Achillea sibirica* Ledeb., Siberian yarrow



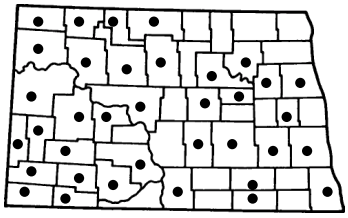
Distribution. BOTTINEAU, CAVALIER, GRAND FORKS, PEMBINA, ROLETTE, WALSH.

Sources: 28, 29, 4, 41, 42, 43, 5, 7, *27*, *30*.

Photographed in VIII.

4 (218). *Acroptilon repens* (L.) DC., hardheads

Centaurea picris, Centaurea repens



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, MCHENRY, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, RAMSEY, RENVILLE, RICHLAND, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

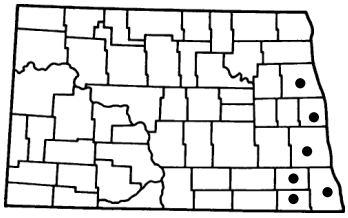
Sources: 29, 36, 37, 43, 47, 5, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *39*, *40*, *6*, *8*.

? *Adenocaulon bicolor* Hook., American trailplant

Sources: 29.

5 (219). *Ageratina altissima* (L.) King & H. Rob., white snakeroot

Eupatorium rugosum



Distribution. CASS, GRAND FORKS, RANSOM, RICHLAND, SARGENT, TRAILL.

Sources: 29, 39, 41, 43, 45, 47, *1*, *25*, *26*, *27*, *6*, *7*.

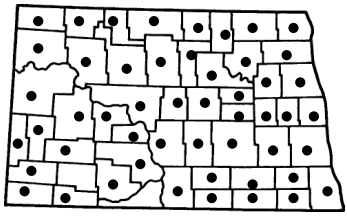
? *Ageratina havanensis* (Kunth) King & H. Rob., Havana snakeroot

Eupatorium havanense, Eupatorium texense

Sources: 3, 38.

6 (220). *Agoseris glauca* (Pursh) Raf., pale agoseris

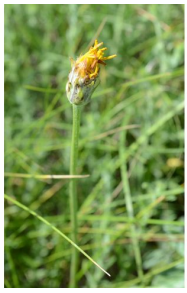
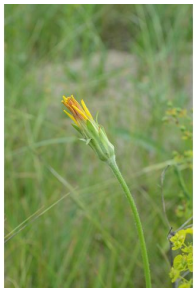
Agoseris laciniata, Agoseris plebeja



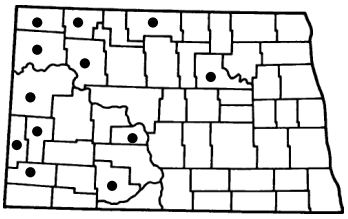
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *13*, *18*, *43*, *7*.

Photographed in VI–VII.

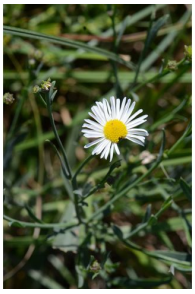
7 (221). *Almutaster pauciflorus* (Nutt.) A. Love & D. Love, alkali marsh aster



Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, DIVIDE, GOLDEN VALLEY, GRANT, MCKENZIE, MOUNTRAIL, OLIVER, SLOPE, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 42, 43, 45, 47, 5, *13*, *15*, *16*, *1*, *24*, *27*, *32*, *41*.

Photographed in VIII.



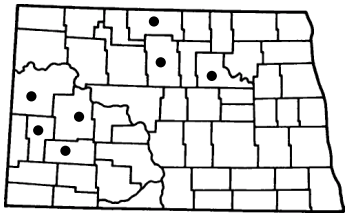
? *Amberboa moschata* (L.) DC., sweetsultan

Centaurea moschata

Sources: 38, 5, *18*, *24*, *5*.

8 (222). *Ambrosia acanthicarpa* Hook., flatspine bur ragweed

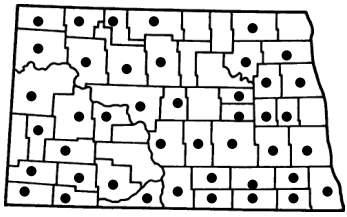
Franseria acanthicarpa, Gaertneria acanthicarpa



Distribution. BENSON, BILLINGS, BOTTINEAU, DUNN, MCHENRY, MCKENZIE, STARK.

Sources: 1, 18, 24, 29, 3, 33, 35, 39, 41, 43, 45, 47, 5, *27*, *28*.

9 (223). *Ambrosia artemisiifolia* L., annual ragweed



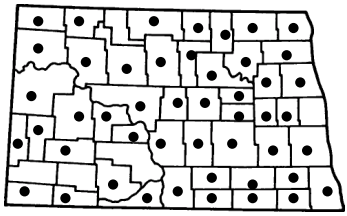
Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 10, 11, 12, 14, 18, 19, 2, 21, 24, 29, 3, 31, 39, 4, 40, 41, 42, 43, 45, 47, 5, 6, 7, 8, *13*, *17*, *25*, *26*, *27*, *28*, *32*, *7*.

Photographed in VII–X.

10 (224). *Ambrosia psilostachya* DC., Cuman ragweed

Ambrosia cumanensis, Ambrosia rugelii



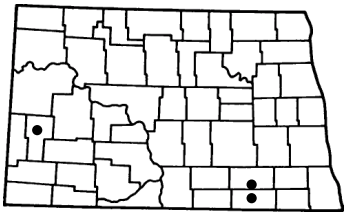
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 18, 19, 2, 21, 24, 26, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*, *25*, *27*, *32*, *43*, *5*, *7*.

Photographed in VII–IX.

11 (225). *Ambrosia tomentosa* Nutt., skeletonleaf bur ragweed

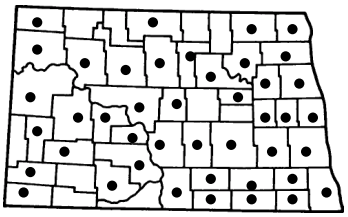
Franseria discolor, Franseria tomentosa, Gaertneria discolor, Gaertneria tomentosa



Distribution. BILLINGS, DICKEY, LAMOURE.

Sources: 2, 29, 39, 41, 47, *32*.

12 (226). *Ambrosia trifida* L., great ragweed

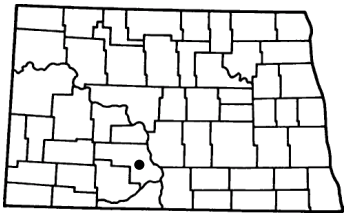


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *31*.

13 (227). *Anaphalis margaritacea* (L.) Benth., western pearly everlasting

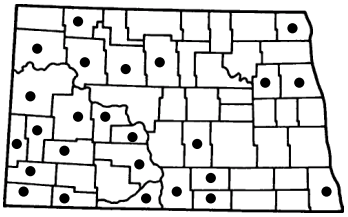
Anaphalis occidentalis, Gnaphalium margaritaceum



Distribution. MORTON.

Sources: 7, *5*.

14 (228). *Antennaria howellii* Greene, Howell's pussytoes



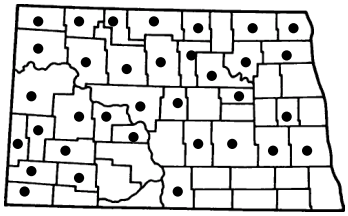
Distribution. ADAMS, BILLINGS, BOWMAN, BURKE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RICHLAND, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 29, 3, 39, 4, 41, 42, 43, 47, 5, *13*, *14*, *17*, *1*, *24*, *25*, *26*, *27*, *29*, *30*, *31*, *32*, *41*, *43*, *45*, *5*, *6*, *7*, *9*.

Photographed in VI.

15 (229). *Antennaria microphylla* Rydb., littleleaf pussytoes

Antennaria bracteosa, Antennaria nitida, Antennaria solstitialis



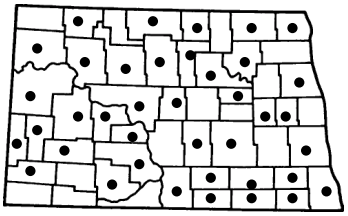
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, HETTINGER, KIDDER, MCHENRY, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RENVILLE, ROLETTE, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 17, 18, 24, 27, 28, 29, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 7, 8, *21*, *43*.

Photographed in VI–VIII.

16 (230). *Antennaria neglecta* Greene, field pussytoes

Antennaria angustiarum, Antennaria athabascensis, Antennaria campestris, Antennaria chelonica, Antennaria erosa, Antennaria lunellii, Antennaria nebraskensis, Antennaria parvula, Antennaria wilsonii

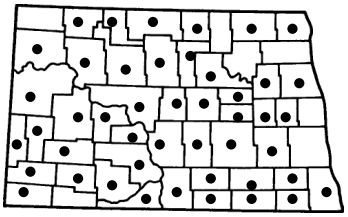


Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 18, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *32*, *43*, *45*.

Photographed in VI.

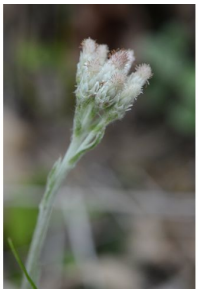
17 (231). *Antennaria parvifolia* Nutt., small-leaf pussytoes



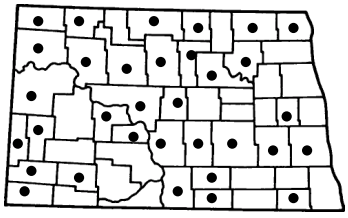
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 7, 8, 9, *32*, *43*, *45*, *5*, *6*.

Photographed in V–VII.



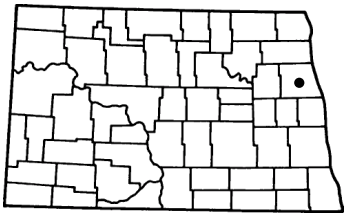
18 (232). *Antennaria rosea* Greene, rosy pussytoes



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, EMMONS, GOLDEN VALLEY, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, ROLETTE, SARGENT, SHERIDAN, SLOPE, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 18, 29, 30, 31, 32, 39, 41, 43, 45, 47, 5, 6.

19 (233). *Anthemis arvensis* L., corn chamomile

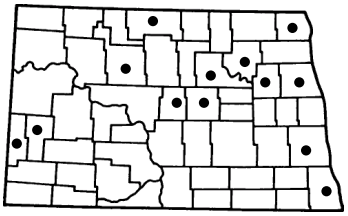


Distribution. GRAND FORKS. Introduced.

Sources: 29, 39, 40, 41, 43, 47.

20 (234). *Anthemis cotula* L., stinking chamomile

Maruta cotula

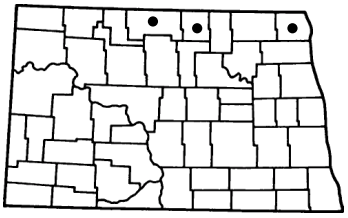


Distribution. BENSON, BILLINGS, BOTTINEAU, CASS, GOLDEN VALLEY, GRAND FORKS, NELSON, PEMBINA, RAMSEY, RICHLAND, SHERIDAN, WARD, WELLS. Introduced.

Sources: 1, 17, 19, 25, 26, 27, 29, 3, 30, 32, 39, 40, 43, 45, 47, 5, 7.

21 (235). *Anthemis tinctoria* L., golden chamomile

Cota tinctoria

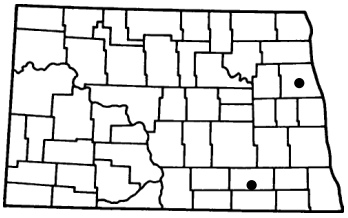


Distribution. BOTTINEAU, PEMBINA, ROLETTE. Introduced.

Sources: 29, 43, 47, *30*, *39*, *43*.

22 (236). *Arctium lappa* L., greater burdock

Lappa major

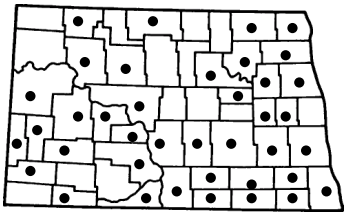


Distribution. GRAND FORKS, LAMOURE. Introduced.

Sources: 29, 39, 40, 47, 7.

23 (237). *Arctium minus* Bernh., lesser burdock

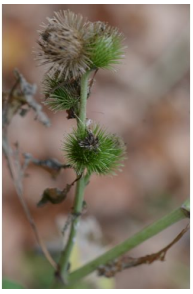
Lappa minor



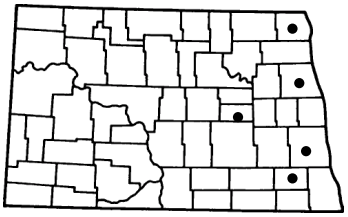
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD. Introduced.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 36, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, *5*.

Photographed in VIII–X.



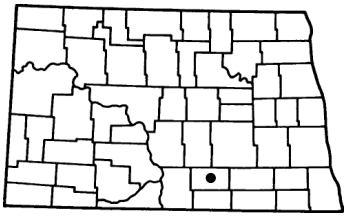
24 (238). *Arctium tomentosum* Mill., woolly burdock



Distribution. CASS, FOSTER, GRAND FORKS, PEMBINA, RANSOM. Introduced.

Sources: 19, 29, 39, 43, 47, *5*.

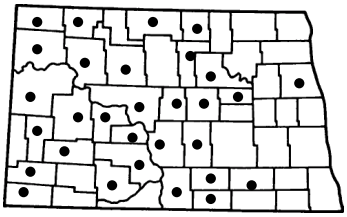
25 (239). *Arnica cordifolia* Hook., heartleaf arnica



Distribution. LOGAN.

Sources: 29, 35, 39, 43.

26 (240). *Arnica fulgens* Pursh, foothill arnica



Distribution. BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, ROLETTE, SHERIDAN, SLOPE, STARK, WARD, WELLS, WILLIAMS.

Sources: 1, 13, 17, 18, 19, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8.

? *Arnica latifolia* Bong., broadleaf arnica

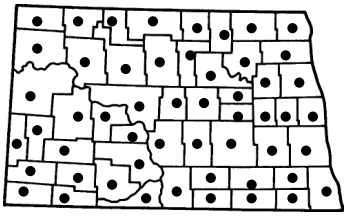
Sources: *18*.

? *Artemisia abrotanum* L., southernwood

Artemisia procera

Sources: 18.

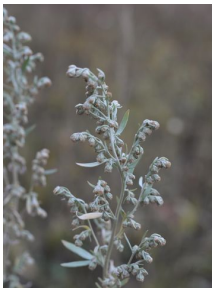
27 (241). *Artemisia absinthium* L., absinthium



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 36, 37, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, *18*.

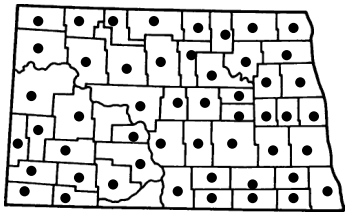
Photographed in VII–X.



† *Artemisia arctica* Less., boreal sagebrush

Sources: 7.

28 (242). *Artemisia biennis* Willd., biennial wormwood

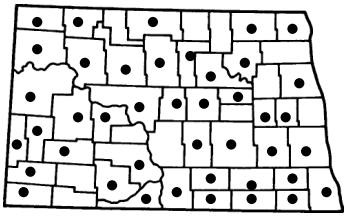


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, 9.

Photographed in VIII–X.

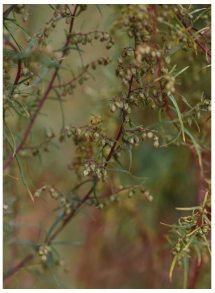
29 (243). *Artemisia campestris* L., field sagewort



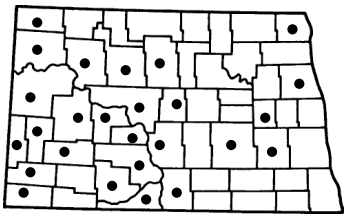
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 12, 14, 18, 19, 2, 21, 24, 26, 29, 3, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *11*, *13*, *17*, *25*, *27*, *28*, *30*, *32*, *45*, *5*, *7*.

Photographed in VII–X.



30 (244). *Artemisia cana* Pursh, silver sagebrush



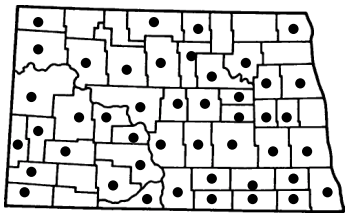
Distribution. BARNES, BILLINGS, BOWMAN, BURLEIGH, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, MCHENRY, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 18, 24, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, *27*.

Photographed in VII–VIII.

31 (245). *Artemisia dracunculus* L., tarragon

Artemisia dracunculoides, Artemisia glauca, Oligosporus dracunculus



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

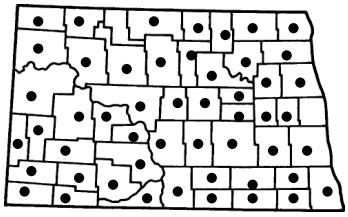
Sources: 1, 12, 13, 14, 18, 19, 2, 24, 26, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *11*, *17*, *25*, *27*, *28*, *32*, *45*, *5*, *7*.

Photographed in VIII–X.

? *Artemisia filifolia* Torr., sand sagebrush

Sources: 7.

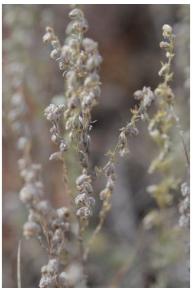
32 (246). *Artemisia frigida* Willd., prairie sagewort

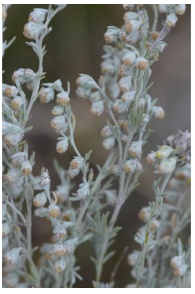


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

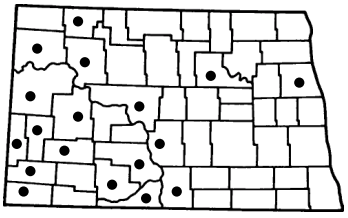
Sources: 1, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *9*.

Photographed in VII–X.





33 (247). *Artemisia longifolia* Nutt., longleaf wormwood

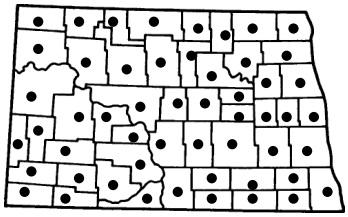


Distribution. BENSON, BILLINGS, BOWMAN, BURKE, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 13, 18, 24, 27, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7.

Photographed in VII.

34 (248). *Artemisia ludoviciana* Nutt., white sagebrush



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *30*, *43*, *45*, *7*.

Photographed in VII–X.

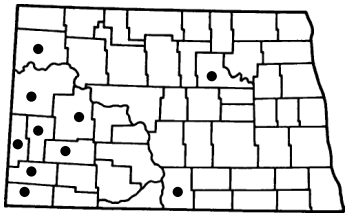
? *Artemisia scopulorum* A. Gray, alpine sagebrush

Sources: 7.

† *Artemisia serrata* Nutt., sawtooth wormwood

Sources: 29, 39, 47.

35 (249). *Artemisia tridentata* Nutt., big sagebrush



Distribution. BENSON, BILLINGS, BOWMAN, DUNN, EMMONS, GOLDEN VALLEY, MCKENZIE, SLOPE, STARK, WILLIAMS.

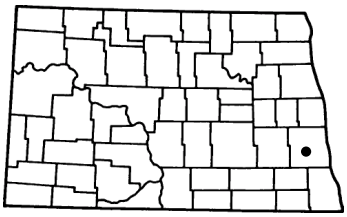
Sources: 1, 18, 24, 27, 29, 3, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7.

Photographed in VIII.

? *Balsamorhiza sagittata* (Pursh) Nutt., arrowleaf balsamroot

Sources: 29.

36 (250). *Bellis perennis* L., lawndaisy



Distribution. CASS. Introduced.

Sources: 29, 39, 43, 47.

? *Bidens beckii* Torr. ex Spreng., Beck's water-marigold

Megalodonta beckii

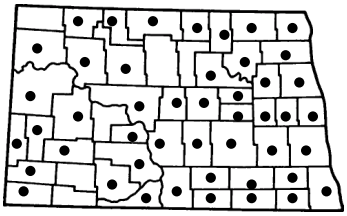
Sources: 7.

? *Bidens campylotheca* Sch. Bip., viper beggarticks

Sources: 18.

37 (251). *Bidens cernua* L., nodding beggartick

Bidens glaucescens

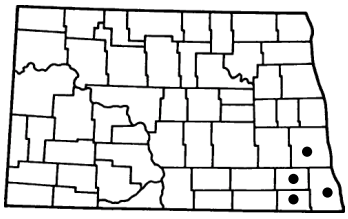


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 42, 43, 45, 5, 6, 7, 8, *41*, *43*.

Photographed in VIII–IX.

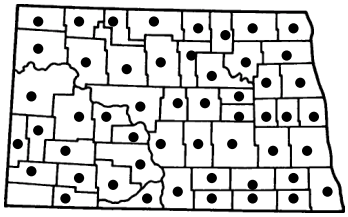
38 (252). *Bidens connata* Muhl. ex Willd., purplestem beggarticks



Distribution. CASS, RANSOM, RICHLAND, SARGENT.

Sources: 1, 15, 26, 29, 43, 47, *41*.

39 (253). *Bidens frondosa* L., devil's beggartick



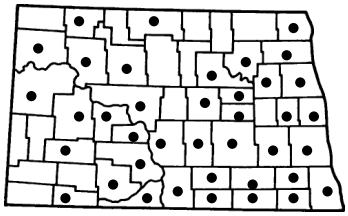
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 32, 39, 4, 43, 44, 45, 47, 5, 6, 7, 8, 9, *28*, *41*.

Photographed in VII–VIII.

40 (254). *Bidens tripartita* L., threelobe beggarticks

Bidens acuta, Bidens comosa



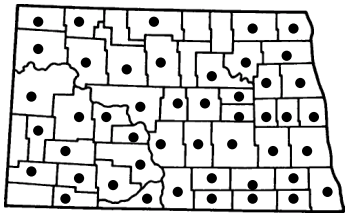
Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 18, 29, 39, 4, 43, 45, 47, 5, *11*, *13*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *3*, *41*, *43*, *44*, *5*, *6*, *8*.

Photographed in IX–X.

41 (255). *Bidens vulgata* Greene, big devils beggartick

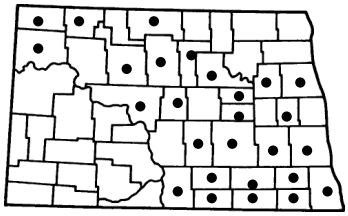
Bidens puberula



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 43, 45, 47, 5, 6, 8, *2*, *41*, *44*, *7*.

42 (256). *Boltonia asteroides* (L.) L'Hér., white doll's daisy ☐



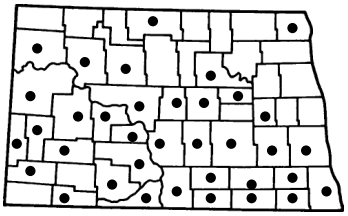
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, NELSON, PIERCE, RANSOM, RICHLAND, SARGENT, SHERIDAN, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 18, 19, 2, 25, 26, 29, 3, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *17*, *27*, *28*, *7*.

Photographed in IX.

43 (257). *Brickellia eupatorioides* (L.) Shinners, false boneset ☐

Kuhnia eupatorioides

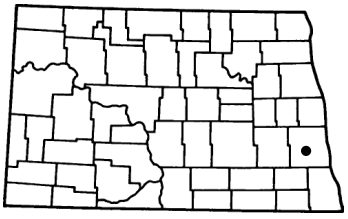


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 12, 18, 29, 3, 39, 4, 41, 42, 43, 45, 47, 5, *11*, *13*, *17*, *19*, *1*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *45*, *6*, *7*, *8*.

Photographed in VIII.

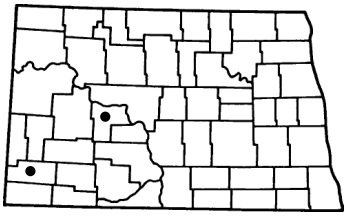
44 (258). *Calendula officinalis* L., pot marigold



Distribution. CASS. Introduced.

Sources: 5.

45 (259). *Canadanthus modestus* (Lindl.) G.L. Nesom, giant mountain aster

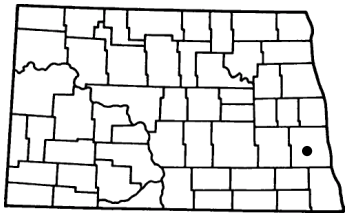


Distribution. MERCER, SLOPE.

Sources: 39, 4, 47.

Photographed in VIII–X.

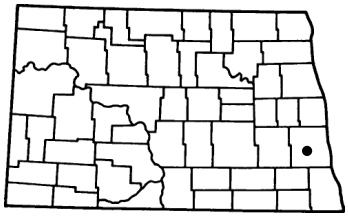
46 (260). *Carduus acanthoides* L., spiny plumeless thistle



Distribution. CASS. Introduced.

Sources: 1, 29, 39, 40, 43, 47.

47 (261). *Carduus crispus* L., curly plumeless thistle

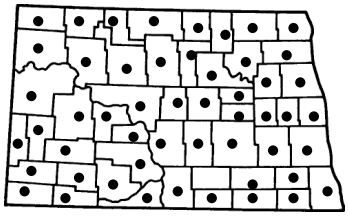


Distribution. CASS. Introduced.

Sources: 27, 29, 39, 40, 43.

48 (262). *Carduus nutans* L., nodding plumeless thistle

Carduus macrocephalus, Carduus macrolepis



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 13, 17, 21, 27, 29, 30, 36, 37, 39, 4, 40, 41, 43, 45, 47, 5, 6, 7, 8.

Photographed in VII–VIII.

* *Carthamus tinctorius* L., safflower

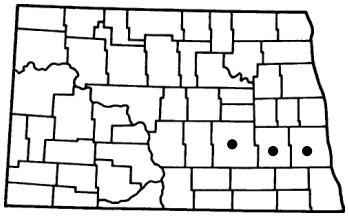
Sources: 24, 29, 38, 39, 43, 47, 5.

? *Centaurea cineraria* L., dusty miller

Sources: 38, 5.

49 (263). *Centaurea cyanus* L., garden cornflower

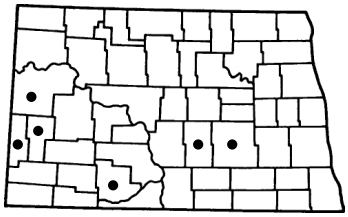
Leucacantha cyanus



Distribution. BARNES, CASS, STUTSMAN. Introduced.

Sources: 1, 11, 18, 27, 29, 39, 43, 47, 5, *3*, *40*.

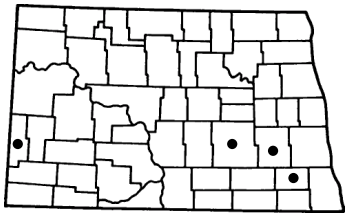
50 (264). *Centaurea diffusa* Lam., diffuse knapweed



Distribution. BILLINGS, GOLDEN VALLEY, GRANT, KIDDER, MCKENZIE, STUTSMAN. Introduced.

Sources: 36, 37, 40.

51 (265). *Centaurea scabiosa* L., greater knapweed

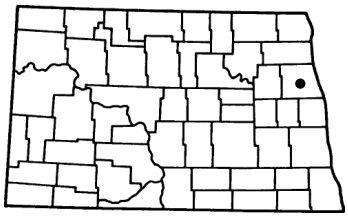


Distribution. BARNES, GOLDEN VALLEY, RANSOM, STUTSMAN. Introduced.

Sources: 11, 25, 26, 27, 29, 39, 43, 47, 5.

52 (266). *Centaurea solstitialis* L., yellow star-thistle

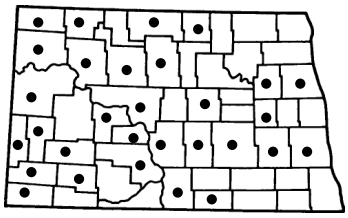
Leucantha solstitialis



Distribution. GRAND FORKS. Introduced.

Sources: 1, 29, 37, 39, 43, 47, 7.

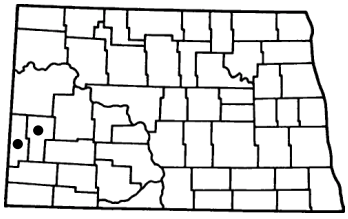
53 (267). *Centaurea stoebe* L., spotted knapweed



Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DIVIDE, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, ROLETTE, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 29, 36, 37, 39, 4, 40, 43, 47, 5, *1*, *31*, *44*, *5*, *6*.

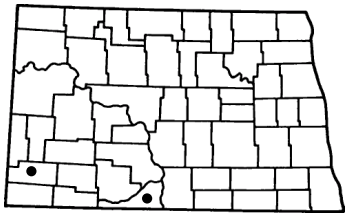
54 (268). *Chaenactis douglasii* (Hook.) Hook. & Arn., Douglas' dustymaiden



Distribution. BILLINGS, GOLDEN VALLEY.

Sources: 29, 32, 33, 34, 35, 39, 41, 43, 47, 5, 7.

55 (269). *Chrysothamnus viscidiflorus* (Hook.) Nutt., yellow rabbitbrush

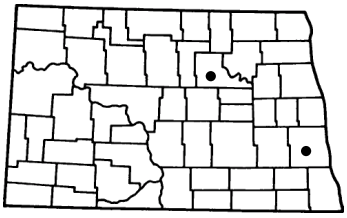


Distribution. SIOUX, SLOPE.

Sources: 4.

Photographed in VII–VIII.

56 (270). *Cichorium intybus* L., chicory

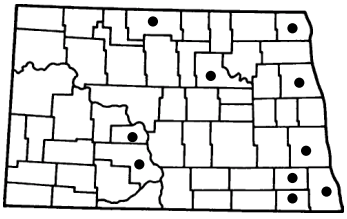


Distribution. BENSON, CASS. Introduced.

Sources: 1, 27, 29, 3, 39, 40, 43, 7, *5*.

57 (271). *Cirsium altissimum* (L.) Hill, tall thistle

Carduus altissimus



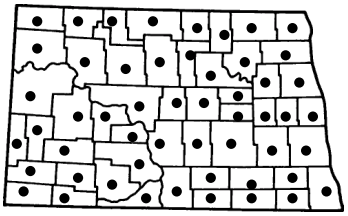
Distribution. BENSON, BOTTINEAU, CASS, GRAND FORKS, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 1, 10, 25, 26, 27, 29, 3, 30, 39, 4, 41, 42, 43, 45, 47, 5, 7, *7*.

Photographed in X.

58 (272). *Cirsium arvense* (L.) Scop., Canada thistle

Breea arvensis, Breea incana, Carduus arvensis, Cirsium incanum, Cirsium setosum, Serratula arvensis



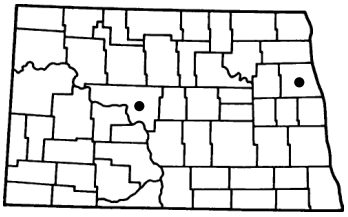
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 36, 37, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *30*, *5*, *7*.

Photographed in VII–IX.

59 (273). *Cirsium canescens* Nutt., prairie thistle

Cirsium nebraskense, Cirsium nelsonii, Cirsium plattense

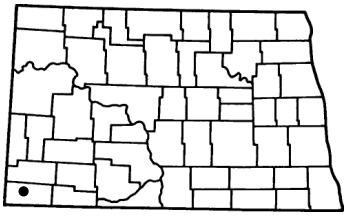


Distribution. GRAND FORKS, MCLEAN.

Sources: 1, 18, 29, 39, 41, 43, *7*.

60 (274). *Cirsium discolor* (Muhl. ex Willd.) Spreng., field thistle

Carduus discolor



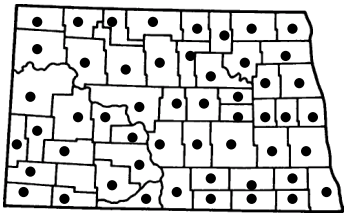
Distribution. BOWMAN.

Sources: 29, 7.

? *Cirsium edule* Nutt., edible thistle

Sources: 43.

61 (275). *Cirsium flodmanii* (Rydb.) Arthur, Flodman's thistle



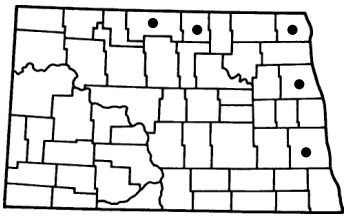
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 10, 12, 17, 19, 2, 24, 25, 26, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 7, 8, 9, *11*, *13*, *1*, *21*, *30*, *6*, *7*.

Photographed in VII–X.

62 (276). *Cirsium muticum* Michx., swamp thistle

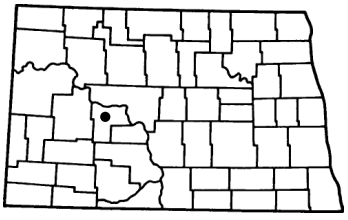
Carduus muticus, Cirsium bigelovii



Distribution. BOTTINEAU, CASS, GRAND FORKS, PEMBINA, ROLETTE.

Sources: 1, 18, 27, 28, 29, 3, 34, 35, 39, 41, 43, 45, 47, 5, 7, *5*.

63 (277). *Cirsium palustre* (L.) Scop., marsh thistle



Distribution. MERCER. Introduced.

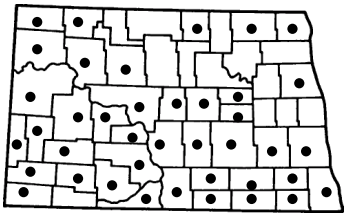
Sources: 4.

Photographed in IX.

? *Cirsium pumilum* Spreng., pasture thistle

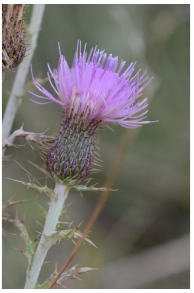
Sources: *5*.

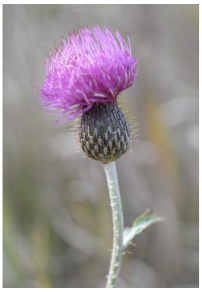
64 (278). *Cirsium undulatum* (Nutt.) Spreng., wavyleaf thistle



Distribution. BARNES, BILLINGS, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

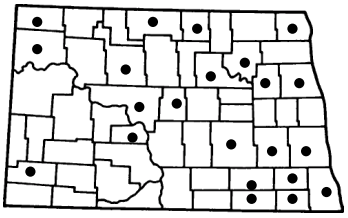
Sources: 1, 11, 12, 13, 14, 18, 19, 2, 24, 26, 27, 29, 3, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *32*.





65 (279). *Cirsium vulgare* (Savi) Ten., bull thistle

Carduus lanceolatus, Carduus vulgaris, Cirsium lanceolatum



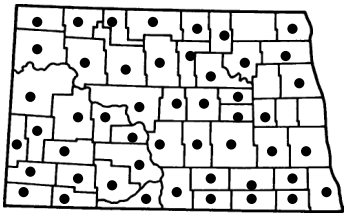
Distribution. BARNES, BENSON, BOTTINEAU, CASS, DICKEY, DIVIDE, GRAND FORKS, LAMOURE, MCLEAN, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STUTSMAN, WARD, WILLIAMS. Introduced.

Sources: 1, 10, 11, 13, 14, 17, 2, 21, 25, 26, 27, 28, 29, 3, 30, 36, 39, 4, 40, 42, 43, 44, 47, 5, 7, *18*, *7*.

Photographed in VII.

66 (280). *Conyza canadensis* (L.) Cronquist, Canadian horseweed

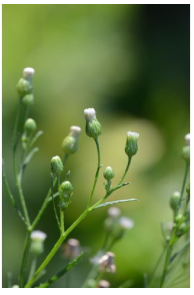
Conyza bilboana, Erigeron bilboanus



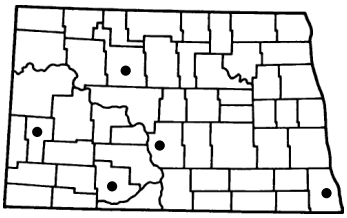
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 16, 19, 21, 24, 25, 26, 29, 31, 32, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *18*, *27*, *28*, *2*, *32*, *39*, *3*, *45*, *5*, *7*.

Photographed in VII–X.



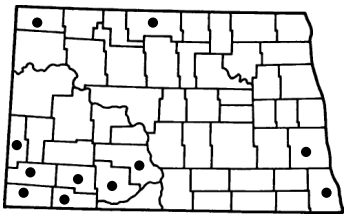
67 (281). *Conyza ramosissima* Cronquist, dwarf horseweed



Distribution. BILLINGS, BURLEIGH, GRANT, RICHLAND, WARD.

Sources: 1, 25, 26, 29, 3, 32, 41, 43, 47, 5, *17*, *27*, *39*, *7*.

68 (282). *Coreopsis tinctoria* Nutt., golden tickseed

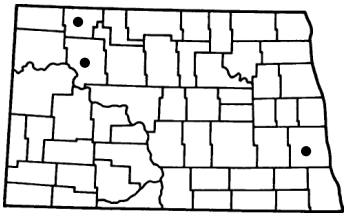


Distribution. ADAMS, BOTTINEAU, BOWMAN, CASS, DIVIDE, GOLDEN VALLEY, GRANT, HETTINGER, MORTON, RICHLAND, SLOPE.

Sources: 1, 13, 18, 25, 26, 27, 28, 29, 3, 32, 39, 4, 41, 43, 47, 5, *5*.

Photographed in VIII.

69 (283). *Crepis capillaris* (L.) Wallr., smooth hawksbeard

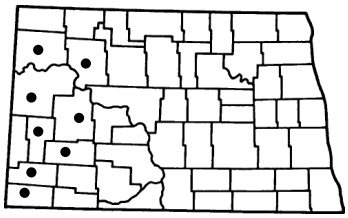


Distribution. BURKE, CASS, MOUNTRAIL. Introduced.

Sources: 18, 29, 39, 4, 40, 43, 47.

Photographed in VII.

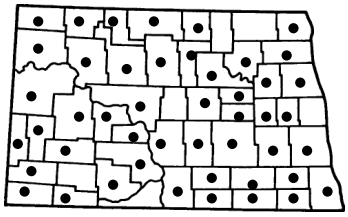
70 (284). *Crepis occidentalis* Nutt., largeflower hawksbeard



Distribution. BILLINGS, BOWMAN, DUNN, MCKENZIE, MOUNTRAIL, SLOPE, STARK, WILLIAMS.

Sources: 1, 13, 24, 27, 29, 32, 39, 41, 43, 5.

71 (285). *Crepis runcinata* (James) Torr. & A. Gray, fiddleleaf hawksbeard

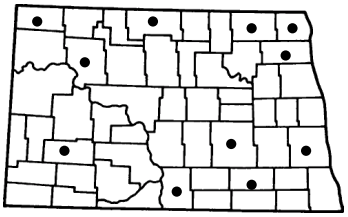


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*.

Photographed in VI–VII.

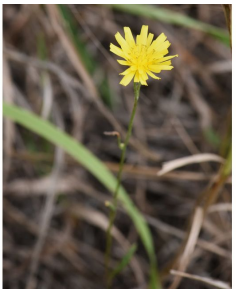
72 (286). *Crepis tectorum* L., narrowleaf hawksbeard



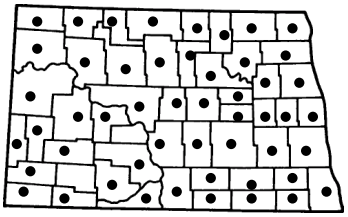
Distribution. BOTTINEAU, CASS, CAVALIER, DIVIDE, EMMONS, LAMOURE, MOUNTRAIL, PEMBINA, STARK, STUTSMAN, WALSH. Introduced.

Sources: 1, 18, 24, 27, 28, 29, 3, 39, 4, 40, 43, 47, 5, 6, *30*.

Photographed in VII–VIII.



73 (287). *Cyclachaena xanthiifolia* (Nutt.) Fresen., giant sumpweed



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 39, 4, 47, *10*, *11*, *13*, *14*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *29*, *2*, *30*, *31*, *32*, *3*, *41*, *42*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

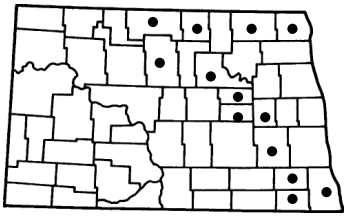
Photographed in VII–IX.

? *Dahlia pinnata* Cav., pinnate dahlia

Dahlia rosea

Sources: 38, *5*.

74 (288). *Doellingeria umbellata* (Mill.) Nees, parasol whitetop



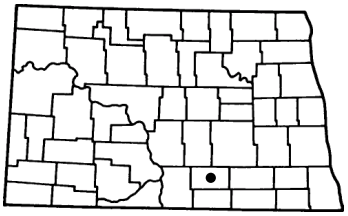
Distribution. BARNES, BENSON, BOTTINEAU, CAVALIER, EDDY, FOSTER, GRIGGS, MCHENRY, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT.

Sources: 18, 29, 3, 39, 4, 43, 45, 47, *11*, *15*, *16*, *19*, *1*, *25*, *26*, *27*, *28*, *30*, *41*, *5*, *6*, *7*, *8*.

Photographed in VIII.

75 (289). *Dracopis amplexicaulis* (Vahl) Cass., clasping coneflower

Rudbeckia amplexicaulis

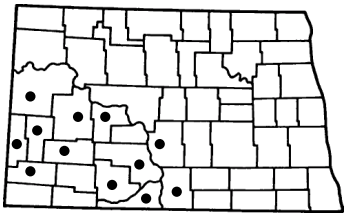


Distribution. LOGAN.

Sources: 29, 39, 41, 43, 47, *1*.

76 (290). *Dyssodia papposa* (Vent.) Hitchc., fetid marigold

Boebera papposa, Tagetes papposa

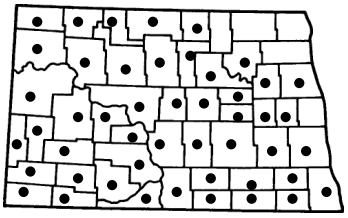


Distribution. BILLINGS, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRANT, MCKENZIE, MERCER, MORTON, SIOUX, SLOPE, STARK.

Sources: 1, 12, 18, 24, 27, 29, 3, 32, 39, 4, 41, 43, 45, 47, 5, 6.

Photographed in VIII.

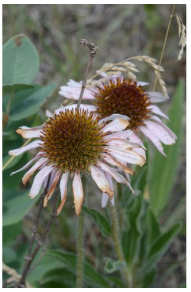
77 (291). *Echinacea angustifolia* DC., blacksamson echinacea



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

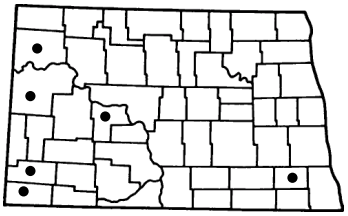
Sources: 1, 11, 12, 13, 14, 17, 19, 2, 21, 25, 26, 28, 29, 3, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *24*, *27*, *32*, *5*, *7*.

Photographed in VII–VIII.



78 (292). *Echinacea pallida* (Nutt.) Nutt., pale purple coneflower

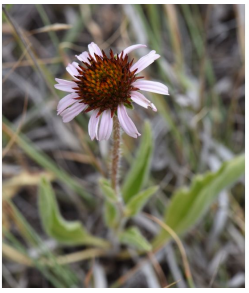
Brauneria pallida, Rudbeckia pallida



Distribution. BOWMAN, MCKENZIE, MERCER, RANSOM, SLOPE, WILLIAMS.

Sources: 18, 4, 45, 7.

Photographed in VII.

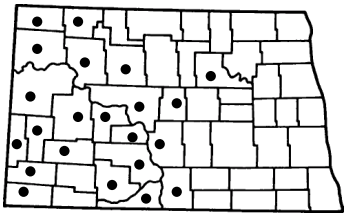


? *Erechtites hieraciifolius* (L.) Raf. ex DC., American burnweed

Sources: *18*.

79 (293). *Ericameria nauseosa* (Pall. ex Pursh) G.L. Nesom & Baird, rubber rabbitbrush

Chrysothamnus nauseosus



Distribution. BENSON, BILLINGS, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, SHERIDAN, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

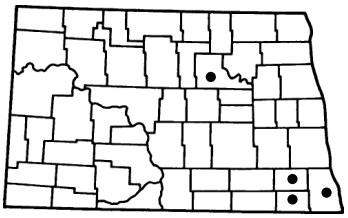
Sources: 12, 18, 29, 3, 39, 4, 41, 42, 43, 45, 47, 5, *13*, *17*, *1*, *24*, *27*, *31*, *32*, *43*, *44*, *45*, *6*, *7*.

† *Erigeron acris* L., bitter fleabane

Sources: 7.

80 (294). *Erigeron annuus* (L.) Pers., eastern daisy fleabane

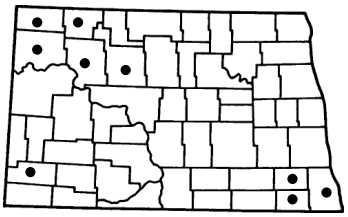
Stenactis annua



Distribution. BENSON, RANSOM, RICHLAND, SARGENT.

Sources: 18, 25, 26, 29, 33, 35, 41, 7, *5*.

81 (295). *Erigeron asper* Nutt., rough fleabane ☐



Distribution. BURKE, DIVIDE, MOUNTRAIL, RANSOM, RICHLAND, SARGENT, SLOPE, WARD, WILLIAMS.

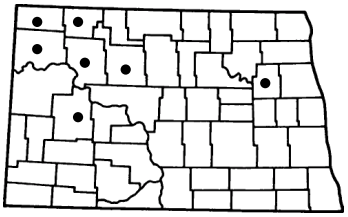
Sources: 13, 17, 25, 29, 4.

Photographed in VI.

? *Erigeron bellidiastrum* Nutt., western daisy fleabane ☐

Sources: 45.

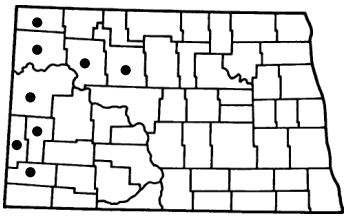
82 (296). *Erigeron caespitosus* Nutt., tufted fleabane ☐



Distribution. BURKE, DIVIDE, DUNN, MOUNTRAIL, NELSON, WARD, WILLIAMS.

Sources: 1, 13, 24, 27, 29, 3, 39, 4, 41, 43, 47, 5, 6, *9*.

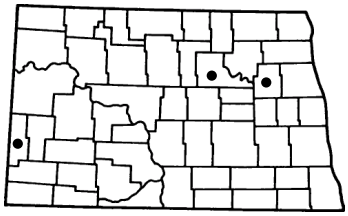
83 (297). *Erigeron compositus* Pursh, cutleaf daisy ☐



Distribution. BILLINGS, DIVIDE, GOLDEN VALLEY, MCKENZIE, MOUNTRAIL, SLOPE, WARD, WILLIAMS.

Sources: 1, 13, 17, 24, 27, 29, 3, 32, 39, 41, 43, 47, 5.

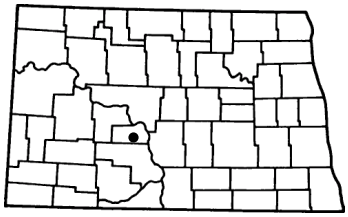
84 (298). *Erigeron divergens* Torr. & A. Gray, spreading fleabane ☐



Distribution. BENSON, GOLDEN VALLEY, NELSON.

Sources: 1, 29, 3, 34, 39, 41, 43, 45, 47.

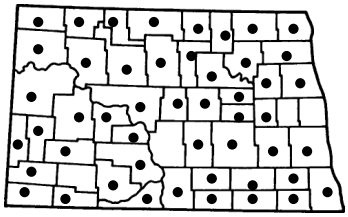
85 (299). *Erigeron flagellaris* A. Gray, trailing fleabane ☐



Distribution. OLIVER.

Sources: 42, 47.

86 (300). *Erigeron glabellus* Nutt., streamside fleabane ☐



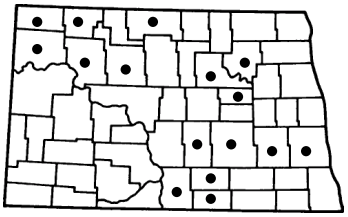
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 2, 21, 24, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, 9, *18*, *19*, *32*.

Photographed in VI–VIII.

87 (301). *Erigeron lonchophyllus* Hook., shortray fleabane ☐

Erigeron minor, Trimorpha lonchophylla

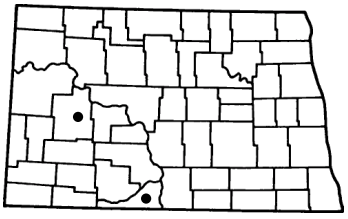


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DIVIDE, EDDY, EMMONS, KIDDER, LOGAN, MCINTOSH, MOUNTRAIL, RAMSEY, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 21, 27, 28, 29, 3, 31, 39, 4, 43, 45, 47, 5, 8, *41*, *5*.

88 (302). *Erigeron ochroleucus* Nutt., buff fleabane ☐

Erigeron parryi



Distribution. DUNN, SIOUX.

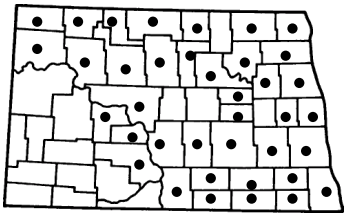
Sources: 24, 35, 39, 4, 41, 43.

Photographed in VII.

† *Erigeron oxyodontus* Lunell, fleabane ☐

Sources: *18*.

89 (303). *Erigeron philadelphicus* L., Philadelphia fleabane ☐

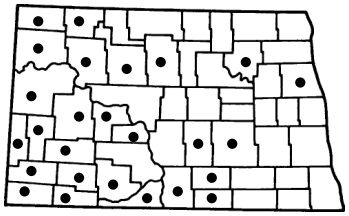


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 19, 2, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *18*, *21*, *5*.

Photographed in VII–X.

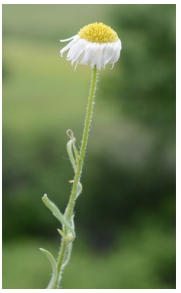
90 (304). *Erigeron pumilus* Nutt., shaggy fleabane ☐



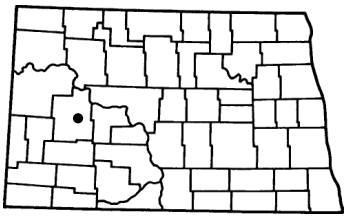
Distribution. ADAMS, BILLINGS, BOWMAN, BURKE, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, OLIVER, RAMSEY, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 13, 17, 21, 24, 27, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, *18*.

Photographed in VI.



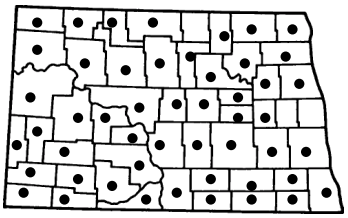
91 (305). *Erigeron radicatus* Hook., taproot fleabane



Distribution. DUNN.

Sources: 29, 34, 39, 41, 43, 47, 5, 7.

92 (306). *Erigeron strigosus* Muhl. ex Willd., prairie fleabane

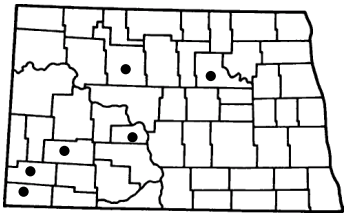


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, 9, *11*, *13*, *18*, *30*.

Photographed in VI–X.

93 (307). ***Erigeron subtrinervis*** **Rydb. ex Porter & Britton, threenerve fleabane**

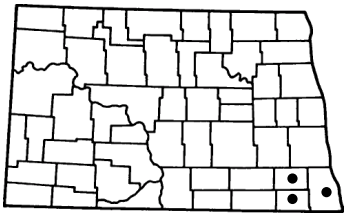


Distribution. BENSON, BOWMAN, OLIVER, SLOPE, STARK, WARD.

Sources: 1, 17, 24, 27, 29, 3, 39, 4, 41, 43, 47, 5, 7.

Photographed in VI.

94 (308). *Eupatorium perfoliatum* L., common boneset



Distribution. RANSOM, RICHLAND, SARGENT.

Sources: 1, 15, 16, 18, 25, 26, 27, 29, 3, 33, 35, 39, 4, 41, 43, 45, 47, 5, 6, 7.

Photographed in VIII.

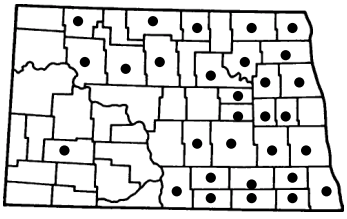
? *Eurybia conspicua* (Lindl.) G.L. Nesom, western showy aster

Aster conspicuus, Aster boykinii, Aster carmesinus, Aster castaneus, Aster claytonii, Aster excavatus, Aster tenebrosus

Sources: 18.

95 (309). *Euthamia graminifolia* (L.) Nutt., flat-top goldentop

Solidago graminifolia



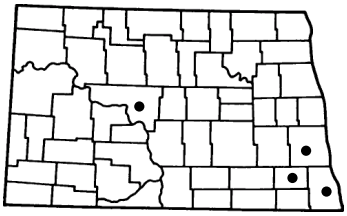
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STEELE, STUTSMAN, WALSH, WARD.

Sources: 14, 16, 19, 26, 29, 3, 39, 4, 41, 42, 43, 44, 45, 5, 8, *11*, *13*, *15*, *17*, *1*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *5*, *6*, *7*, *9*.

Photographed in VII–VIII.

96 (310). *Euthamia gymnospermoides* Greene, Texas goldentop

Euthamia camporum, Euthamia chrysothamnoides, Euthamia glutinosa, Euthamia media, Euthamia pulverulenta, Euthamia remota, Solidago camporum, Solidago chrysothamnoides, Solidago gymnospermoides, Solidago media, Solidago moseleyi, Solidago perglabra, Solidago remota, Solidago texensis

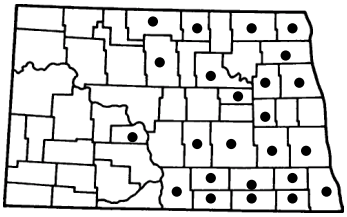


Distribution. CASS, MCLEAN, RANSOM, RICHLAND.

Sources: 18, 29, 39, 43.

97 (311). *Eutrochium maculatum* (L.) E.E. Lamont, spotted joe pye weed

Eupatorium maculatum, Eupatoriadelphus maculatus



Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DICKEY, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH.

Sources: 29, 39, 4, 43, 45, 47, *11*, *14*, *15*, *16*, *19*, *1*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *41*, *42*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII–VIII.

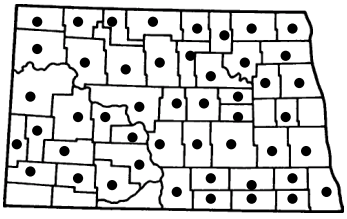
? *Eutrochium purpureum* (L.) E.E. Lamont, sweetscented joe pye weed

Sources: *18*, *3*.

† *Evax prolifera* Nutt. ex DC., bighead pygmycudweed

Sources: *18*.

98 (312). *Gaillardia aristata* Pursh, blanketflower

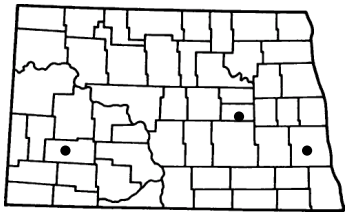


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *43*, *5*, *7*, *9*.

Photographed in VI–VIII.

99 (313). *Galinsoga parviflora* Cav., gallant soldier ☐

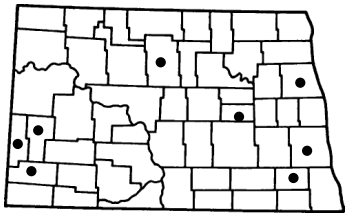


Distribution. CASS, FOSTER, STARK. Introduced.

Sources: 18, 29, 3, 39, 40, 43, 45, 47.

100 (314). *Galinsoga quadriradiata* Cav., shaggy soldier ☐

Galinsoga aristulata, Galinsoga bicolorata, Galinsoga caracasana, Galinsoga ciliata, Galinsoga ciliata

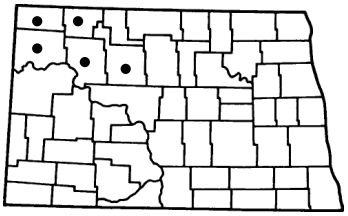


Distribution. BILLINGS, CASS, FOSTER, GOLDEN VALLEY, GRAND FORKS, MCHENRY, RANSOM, SLOPE. Introduced.

Sources: 19, 26, 29, 39, 40, 43, 45, 47, *1*, *25*, *27*, *5*, *7*.

101 (315). *Gnaphalium palustre* Nutt., western marsh cudweed ☐

Filaginella palustris

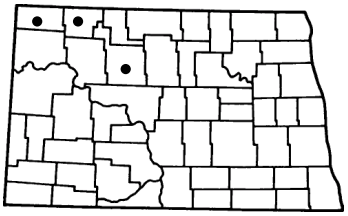


Distribution. BURKE, DIVIDE, MOUNTRAIL, WARD, WILLIAMS.

Sources: 1, 13, 17, 27, 29, 39, 4, 41, 43, 47, 5.

102 (316). *Gnaphalium uliginosum* L., marsh cudweed

Filaginella uliginosa

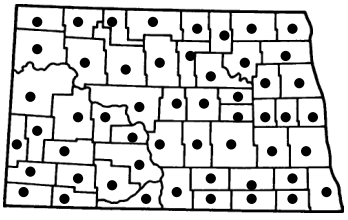


Distribution. BURKE, DIVIDE, WARD. Introduced.

Sources: 13, 17, 39, 4, 5, *5*.

Photographed in X.

103 (317). *Grindelia squarrosa* (Pursh) Dunal, curlycup gumweed

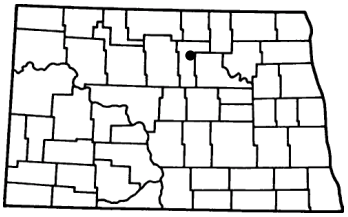


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 9, *26*, *45*, *47*, *7*, *8*.

Photographed in VI–X.

104 (318). *Guizotia abyssinica* (L. f.) Cass., ramtilla

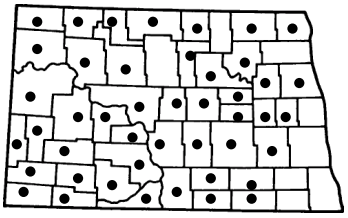


Distribution. PIERCE. Introduced.

Sources: 7.

105 (319). *Gutierrezia sarothrae* (Pursh) Britton & Rusby, broom snakeweed

Gutierrezia lepidota, Gutierrezia linearis, Gutierrezia linoides, Gutierrezia longipappa, Gutierrezia pomariensis, Gutierrezia tenuis, Solidago sarothrae, Xanthocephalum sarothrae, Xanthocephalum tenue



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RENVILLE, ROLETTE, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

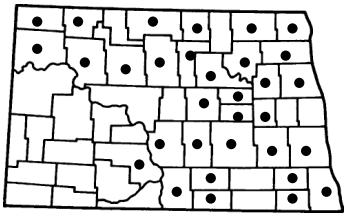
Sources: 1, 10, 11, 12, 14, 17, 18, 19, 2, 21, 24, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *13*, *45*, *7*.

Photographed in VII–IX.

? *Gutierrezia texana* (DC.) Torr. & A. Gray, Texas snakeweed

Sources: 7.

106 (320). *Helenium autumnale* L., common sneezeweed



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 16, 17, 19, 25, 26, 29, 3, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *13*, *15*, *27*, *28*, *43*, *7*.

* *Helianthus annuus* L., common sunflower

Helianthus aridus, Helianthus lenticularis

Sources: 1, 11, 12, 13, 17, 18, 19, 2, 20, 21, 24, 25, 26, 27, 28, 29, 3, 31, 38, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *32*, *44*, *45*, *5*.

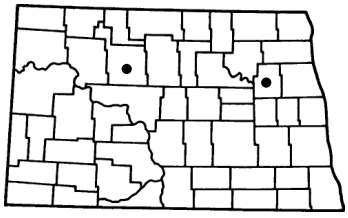
Photographed in VII–VIII.

? *Helianthus decapetalus* L., thinleaf sunflower

Sources: *17*.

107 (321). *Helianthus giganteus* L., giant sunflower

Helianthus alienus, Helianthus borealis, Helianthus subtuberosus, Helianthus validus

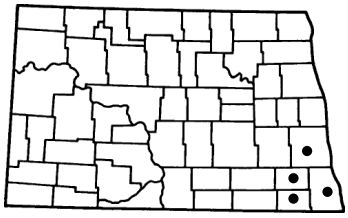


Distribution. NELSON, WARD.

Sources: 3, 39, 45, 9.

108 (322). *Helianthus grosseserratus* M. Martens, sawtooth sunflower

Helianthus instabilis

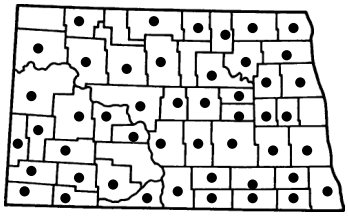


Distribution. CASS, RANSOM, RICHLAND, SARGENT.

Sources: 1, 16, 26, 29, 3, 35, 39, 41, 43, 47, 5.

109 (323). *Helianthus maximiliani* Schrad., Maximilian sunflower

Helianthus dalyi



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

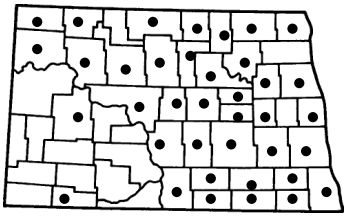
Sources: 1, 12, 13, 18, 2, 21, 25, 26, 27, 29, 3, 31, 39, 4, 42, 43, 45, 47, 5, 6, 9, *10*, *11*, *17*, *19*, *24*, *28*, *30*, *32*, *41*, *44*, *5*, *6*, *7*, *8*.

Photographed in VII–IX.

? *Helianthus microcephalus* Torr. & A. Gray, small woodland sunflower

Sources: 7.

110 (324). *Helianthus nuttallii* Torr. & A. Gray, Nuttall's sunflower



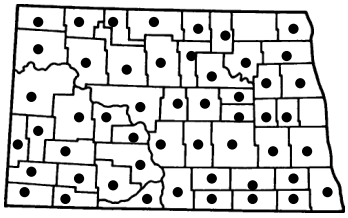
Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 18, 19, 2, 21, 25, 27, 28, 29, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *25*, *26*, *27*, *6*.

Photographed in VIII–IX.

111 (325). *Helianthus pauciflorus* Nutt., stiff sunflower

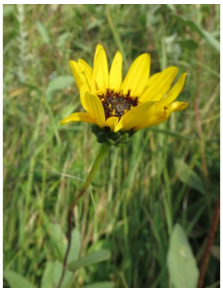
Helianthus rigidus

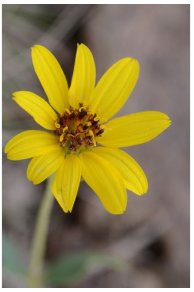


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

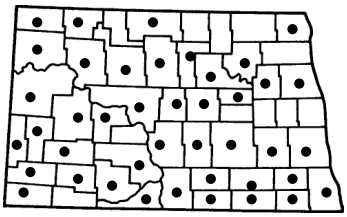
Sources: 14, 18, 29, 39, 4, 41, 42, 43, 45, 47, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *2*, *31*, *32*, *43*, *44*, *45*, *5*, *6*, *7*, *8*.

Photographed in VII–IX.





112 (326). *Helianthus petiolaris* Nutt., prairie sunflower



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *30*, *7*.

Photographed in VII–IX.

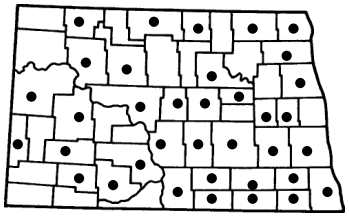
† *Helianthus strumosus* L., paleleaf woodland sunflower

Helianthus montanus, Helianthus saxicola

Sources: 29, 39, 47.

113 (327). *Helianthus tuberosus* L., Jerusalem artichoke

Helianthus tomentosus

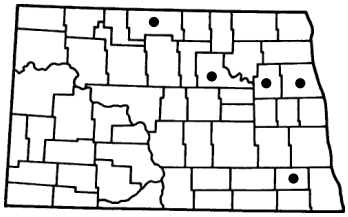


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS.

Sources: 1, 11, 13, 18, 19, 2, 24, 25, 26, 27, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *17*, *28*.

Photographed in IX.

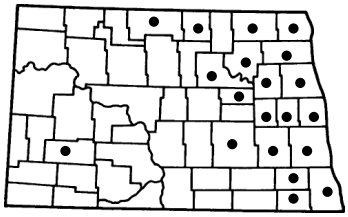
114 (328). *Helianthus* ×*laetiflorus* Pers., cheerful sunflower



Distribution. BENSON, BOTTINEAU, GRAND FORKS, NELSON, RANSOM.

Sources: *28*, *39*, *3*, *5*, *7*, *9*.

115 (329). *Heliopsis helianthoides* (L.) Sweet, smooth oxeye

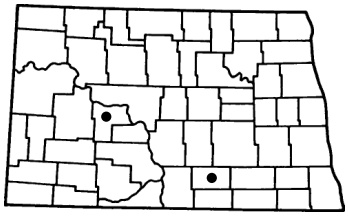


Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, EDDY, GRAND FORKS, GRIGGS, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STEELE, STUTSMAN, TRAILL, WALSH.

Sources: 1, 11, 14, 18, 19, 21, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *7*.

Photographed in VII.

116 (330). *Heterotheca stenophylla* (A. Gray) Shinners, stiffleaf false goldenaster



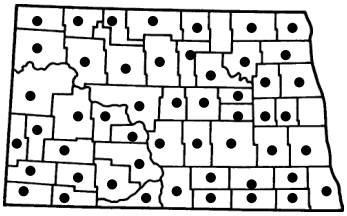
Distribution. LOGAN, MERCER.

Sources: 4, 43.

Photographed in IX.

117 (331). *Heterotheca villosa* (Pursh) Shinners, hairy false goldenaster

Chrysopsis villosa

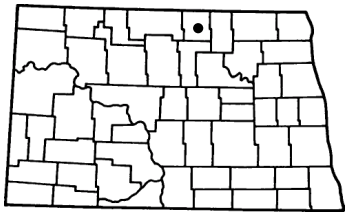


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 18, 29, 3, 39, 4, 41, 42, 43, 45, 47, 5, *10*, *11*, *12*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VI–X.

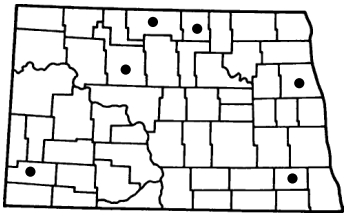
118 (332). *Hieracium aurantiacum* L., orange hawkweed



Distribution. ROLETTE. Introduced.

Sources: 36, *40*.

119 (333). *Hieracium canadense* Michx., Canadian hawkweed



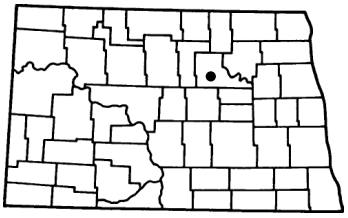
Distribution. BOTTINEAU, GRAND FORKS, RANSOM, ROLETTE, SLOPE, WARD.

Sources: 1, 17, 27, 4, 7.

† *Hieracium kalmii* L., Kalm's hawkweed

Sources: 29, 41.

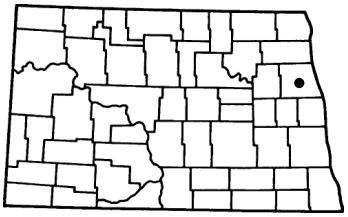
120 (334). *Hieracium pilosella* L., mouseear hawkweed



Distribution. BENSON. Introduced.

Sources: 7.

121 (335). *Hieracium scabrum* Michx., rough hawkweed

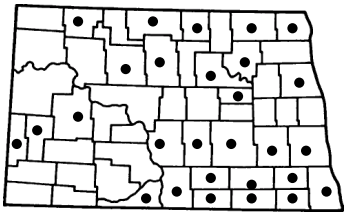


Distribution. GRAND FORKS.

Sources: 7.

122 (336). *Hieracium umbellatum* L., narrowleaf hawkweed

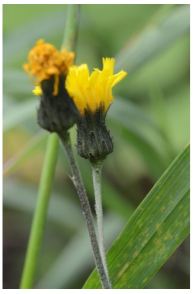
Hieracium columbianum, Hieracium scabriusculum



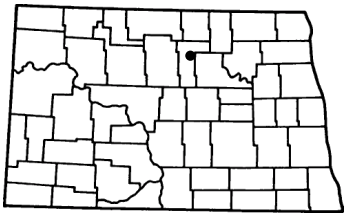
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STUTSMAN, WARD.

Sources: 1, 11, 13, 19, 2, 21, 24, 25, 26, 29, 3, 30, 31, 39, 4, 41, 43, 45, 47, 5, 8, *28*, *32*.

Photographed in VII–VIII.



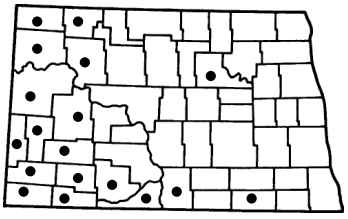
123 (337). *Hieracium* ×*floribundum* Wimm. & Grab., pale hawkweed



Distribution. PIERCE. Introduced.

Sources: *7*.

124 (338). *Hymenopappus filifolius* Hook., fineleaf hymenopappus

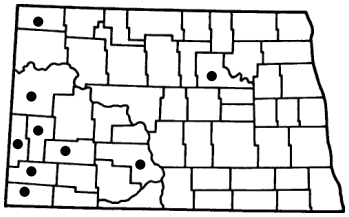


Distribution. ADAMS, BENSON, BILLINGS, BOWMAN, BURKE, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, MCKENZIE, MOUNTRAIL, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 12, 13, 18, 24, 29, 3, 32, 39, 4, 41, 43, 45, *47*, 5, 6, *13*, *1*, *24*, *27*, *29*, *41*, *43*, *5*, *7*.

Photographed in VI–VII.

125 (339). *Hymenoxys richardsonii* (Hook.) Cockerell, pingue rubberweed

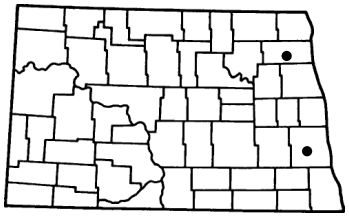


Distribution. BENSON, BILLINGS, BOWMAN, DIVIDE, GOLDEN VALLEY, MCKENZIE, MORTON, SLOPE, STARK.

Sources: 1, 13, 18, 24, 27, 29, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, *18*, *3*.

Photographed in VII.

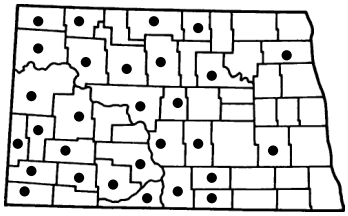
126 (340). *Iva annua* L., annual marsh elder



Distribution. CASS, WALSH.

Sources: 1, 29, 33, 39, 41, 43, 45, 47, 5, *27*, *5*.

127 (341). *Iva axillaris* Pursh, povertyweed



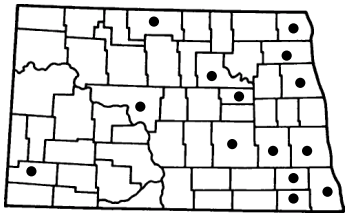
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, ROLETTE, SHERIDAN, SIOUX, SLOPE, STARK, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7.

Photographed in VI–VIII.

128 (342). *Lactuca biennis* (Moench) Fernald, tall blue lettuce

Lactuca spicata, Mulgedium spicatum



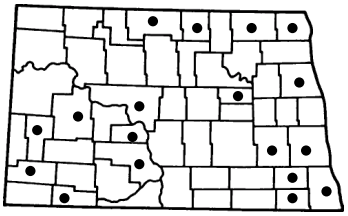
Distribution. BARNES, BENSON, BOTTINEAU, CASS, EDDY, GRAND FORKS, MCLEAN, PEMBINA, RANSOM, RICHLAND, SARGENT, SLOPE, STUTSMAN, WALSH.

Sources: 1, 11, 18, 19, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 43, 45, 47, 7, 8, 7.

Photographed in VII–VIII.

129 (343). *Lactuca canadensis* L., Canada lettuce

Lactuca steelei



Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, CASS, CAVALIER, DUNN, EDDY, GRAND FORKS, MCLEAN, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE.

Sources: 1, 11, 18, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 42, 43, 45, 47, 5, 6.

Photographed in VIII.

? *Lactuca floridana* (L.) Gaertn., woodland lettuce

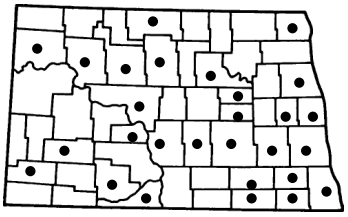
Sources: 5.

? *Lactuca hirsuta* Muhl. ex Nutt., hairy lettuce

Sources: 3.

130 (344). *Lactuca ludoviciana* (Nutt.) Riddell, biannual lettuce

Lactuca campestris



Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, DICKEY, EDDY, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, MCHENRY, MCLEAN, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WARD, WILLIAMS.

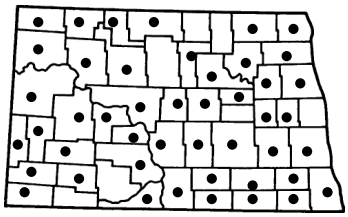
Sources: 1, 10, 11, 13, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 45, 47, 5, 7, 8, *45*.

* *Lactuca sativa* L., garden lettuce

Sources: 18, 29, 38, 39, 45, 47.

131 (345). *Lactuca serriola* L., prickly lettuce

Lactuca scariola



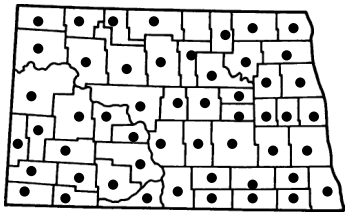
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 18, 19, 2, 21, 24, 25, 26, 27, 29, 31, 32, 39, 4, 40, 42, 43, 45, 47, 5, 6, 7, 8, *17*, *28*, *30*, *45*, *7*, *9*.

Photographed in VIII.

132 (346). *Lactuca tatarica* (L.) C.A. Mey., blue lettuce

Lactuca oblongifolia



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

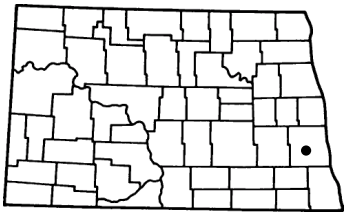
Sources: 12, 14, 18, 29, 3, 39, 4, 42, 43, 45, 47, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII–IX.

? *Lactuca virosa* L., bitter lettuce

Sources: 3.

133 (347). *Lapsana communis* L., common nipplewort



Distribution. CASS. Introduced.

Sources: 27, 29, 3, 39, 40, 43, 47.

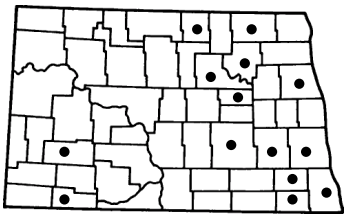
? *Leucanthemella serotina* (L.) Tzvelev, giantdaisy

Chrysanthemum serotinum, Chrysanthemum uliginosum, Leucanthemum serotinum, Tanacetum serotinum

Sources: 38, *5*.

134 (348). *Leucanthemum vulgare* Lam., oxeye daisy

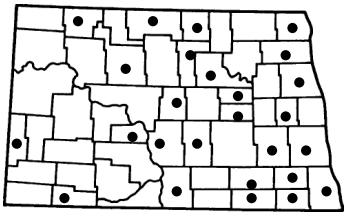
Chrysanthemum leucanthemum, Leucanthemum leucanthemum



Distribution. ADAMS, BARNES, BENSON, CASS, CAVALIER, EDDY, GRAND FORKS, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STUTSMAN. Introduced.

Sources: 18, 29, 3, 39, 4, 40, 43, 47, 5, *11*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *5*, *6*, *7*, *8*.

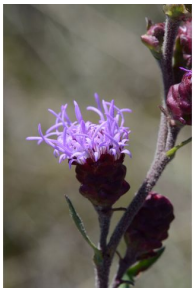
135 (349). *Liatris aspera* Michx., tall blazing star



Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STEELE, WALSH, WARD.

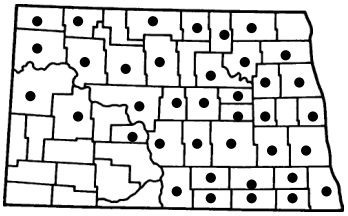
Sources: 1, 10, 19, 2, 25, 26, 28, 29, 39, 4, 41, 42, 43, 45, 47, 5, 7, 8.

Photographed in VIII–IX.



136 (350). *Liatris ligulistylis* (A. Nelson) K. Schum., Rocky Mountain blazing star

Lacinaria ligulistylis

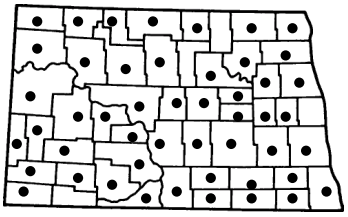


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, NELSON, OLIVER, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 17, 19, 2, 21, 24, 25, 26, 28, 29, 31, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, 9.

Photographed in VII–VIII.

137 (351). *Liatris punctata* Hook., dotted blazing star

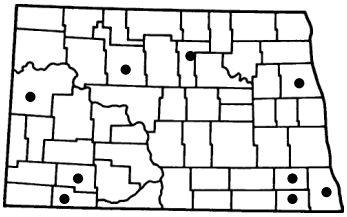


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *10*.

Photographed in VII–IX.

138 (352). *Liatris pycnostachya* Michx., prairie blazing star

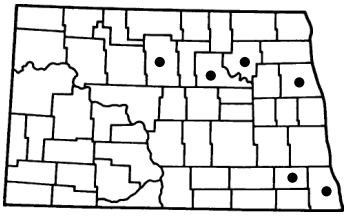


Distribution. ADAMS, GRAND FORKS, HETTINGER, MCKENZIE, PIERCE, RANSOM, RICHLAND, SARGENT, WARD.

Sources: 18, 24, 25, 26, 27, 29, 3, 39, 4, 41, 43, 45, 47, 5, 6, 7, *10*, *1*, *5*, *7*.

Photographed in VIII.

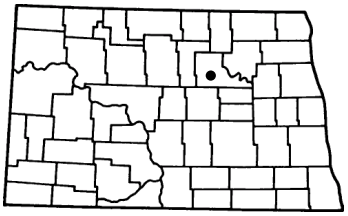
139 (353). *Liatris scariosa* (L.) Willd., devil's bite



Distribution. BENSON, GRAND FORKS, MCHENRY, RAMSEY, RANSOM, RICHLAND.

Sources: 18, 27, 3, 45, 7, *45*.

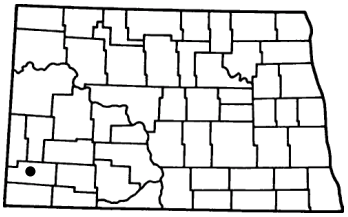
140 (354). *Liatris* ×*fallacior* (Lunell) Rydb., gayfeather



Distribution. BENSON.

Sources: 41, *18*, *29*, *39*.

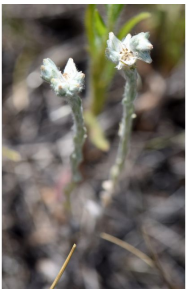
141 (355). *Logfia arvensis* (L.) Holub, field cottonrose



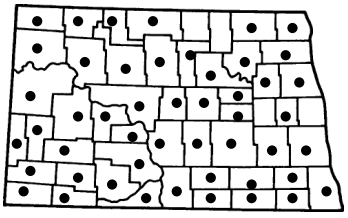
Distribution. SLOPE. Introduced.

Sources: 4.

Photographed in VII.



142 (356). *Lygodesmia juncea* (Pursh) D. Don ex Hook., rush skeletonplant

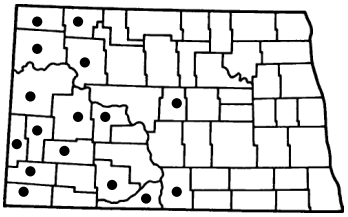


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, 9, *44*.

Photographed in VII–X.

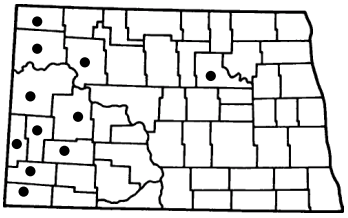
143 (357). *Machaeranthera canescens* (Pursh) A. Gray, hoary tansyaster



Distribution. BILLINGS, BOWMAN, BURKE, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, MCKENZIE, MERCER, MOUNTRAIL, SHERIDAN, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 13, 18, 24, 29, 31, 4, 41, 43, 45, 47, 5, 6, 7, *27*, *32*, *39*, *3*, *43*, *45*, *7*.

144 (358). *Machaeranthera grindelioides* (Nutt.) Shinners, rayless tansyaster



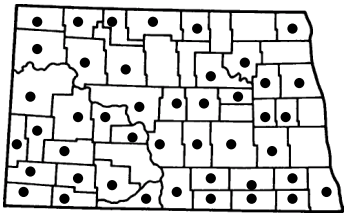
Distribution. BENSON, BILLINGS, BOWMAN, DIVIDE, DUNN, GOLDEN VALLEY, MCKENZIE, MOUNTRAIL, SLOPE, STARK, WILLIAMS.

Sources: 1, 24, 29, 34, 4, 41, 43, 5, *13*, *18*, *27*, *32*, *39*, *3*, *43*, *45*, *47*, *5*, *7*.

Photographed in VI.

145 (359). *Machaeranthera pinnatifida* (Hook.) Shinners, lacy tansyaster

Xanthisma spinulosum

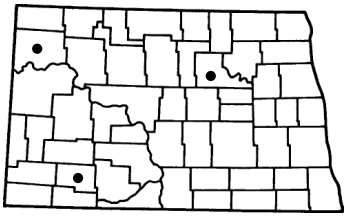


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 29, 4, 41, 43, 45, 47, 5, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *44*, *45*, *5*, *6*, *7*, *8*.

Photographed in VII–X.

146 (360). *Madia glomerata* Hook., mountain tarweed

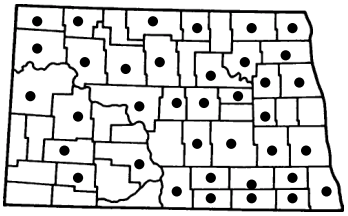


Distribution. BENSON, HETTINGER, WILLIAMS.

Sources: 13, 18, 27, 29, 33, 35, 39, 43, 45, 47, 5.

147 (361). *Matricaria discoidea* DC., disc mayweed

Artemisia matricarioides, Chamomilla suaveolens, Lepidanthus suaveolens, Lepidotheca suaveolens, Matricaria matricarioides, Matricaria suaveolens, Santolina suaveolens, Tanacetum suaveolens



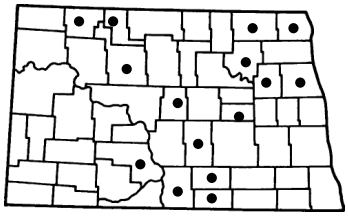
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 29, 39, 4, 40, 42, 43, 47, 5, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *3*, *44*, *5*, *6*, *7*, *8*.

Photographed in VI–VIII.

148 (362). *Matricaria recutita* L., German chamomile

Chamomilla chamomilla, Chamomilla recutita, Matricaria chamomilla, Matricaria suaveolens



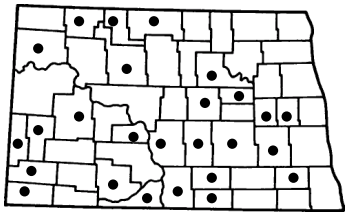
Distribution. BURKE, CAVALIER, EMMONS, FOSTER, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MORTON, NELSON, PEMBINA, RAMSEY, RENVILLE, SHERIDAN, WARD. Introduced.

Sources: 29, 4, 43, 47, 5, *18*, *19*, *27*, *31*, *39*, *43*, *44*, *6*, *7*.

Photographed in X.

149 (363). *Nothocalais cuspidata* (Pursh) Greene, prairie false dandelion

Agoseris cuspidata, Microseris cuspidata



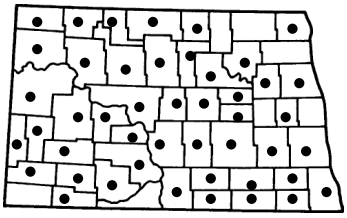
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, GRIGGS, KIDDER, LOGAN, MCINTOSH, OLIVER, RANSOM, RENVILLE, SIOUX, SLOPE, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 43, 47, 5, *11*, *13*, *17*, *19*, *1*, *24*, *27*, *28*, *31*, *32*, *5*, *7*, *8*.

Photographed in V.

150 (364). *Oligoneuron album* (Nutt.) G.L. Nesom, prairie goldenrod

Aster ptarmicoides, Doellingeria ptarmicoides, Inula alba, Solidago asteroides, Solidago ptarmicoides, Unamia alba



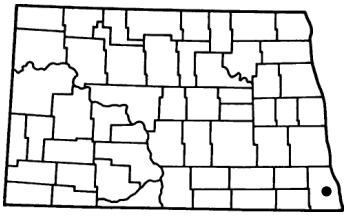
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 29, 4, 42, 43, 45, 5, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *39*, *3*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII–VIII.

151 (365). *Oligoneuron riddellii* (Frank ex Riddell) Rydb., Riddell's goldenrod

Solidago riddellii

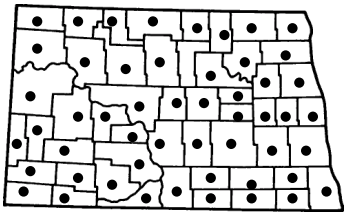


Distribution. RICHLAND.

Sources: 29, 34, 43, *16*, *25*, *26*, *27*, *33*, *35*, *39*, *41*.

152 (366). *Oligoneuron rigidum* (L.) Small, stiff goldenrod

Solidago rigida

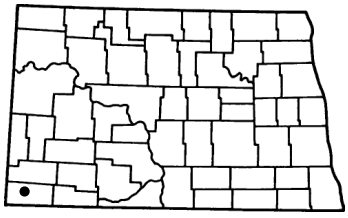


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 12, 29, 4, 42, 47, 5, *10*, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *3*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII–IX.

153 (367). *Onopordum acanthium* L., Scotch cottonthistle

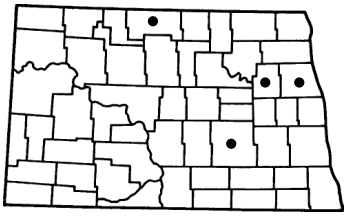


Distribution. BOWMAN. Introduced.

Sources: 36, 40.

154 (368). *Packera aurea* (L.) A. Love & D. Love, golden ragwort

Senecio aureus, Senecio gracilis

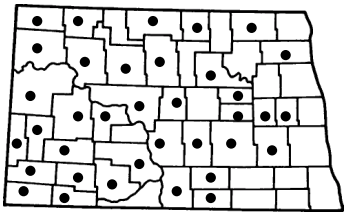


Distribution. BOTTINEAU, GRAND FORKS, NELSON, STUTSMAN.

Sources: 14, 39, 47, *27*, *28*, *3*, *5*, *7*, *9*.

155 (369). *Packera cana* (Hook.) W.A. Weber & A. Love, woolly groundsel

Senecio canus, Senecio convallium, Senecio hallii, Senecio harbourii, Senecio howellii, Senecio purshianus



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRANT, GRIGGS, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, ROLETTE, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 41, 43, 45, 47, 5, *11*, *13*, *17*, *19*, *1*, *24*, *27*, *28*, *31*, *32*, *43*, *44*, *45*, *6*, *7*, *8*.

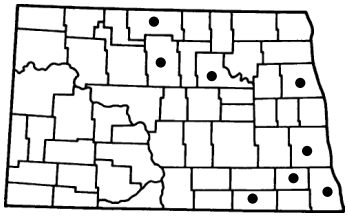
Photographed in VI–VII.

? *Packera obovata* (Muhl. ex Willd.) W.A. Weber & A. Love, roundleaf ragwort

Sources: 45.

156 (370). *Packera paupercula* (Michx.) A. Love & D. Love, balsam groundsel

Senecio balsamitae, Senecio gaspensis, Senecio pauperculus, Senecio tweedyi

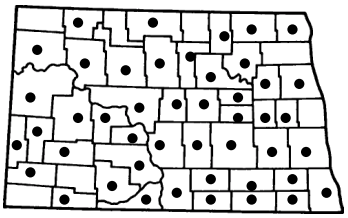


Distribution. BENSON, BOTTINEAU, CASS, DICKEY, GRAND FORKS, MCHENRY, RANSOM, RICHLAND.

Sources: 29, 3, 39, 41, 43, 47, 5, *1*, *25*, *26*, *27*, *28*, *43*, *5*, *7*.

157 (371). *Packera plattensis* (Nutt.) W.A. Weber & A. Love, prairie groundsel

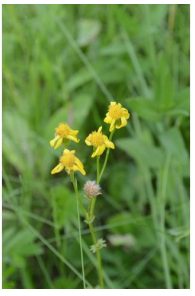
Senecio plattensis, Senecio pseudotomentosus



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

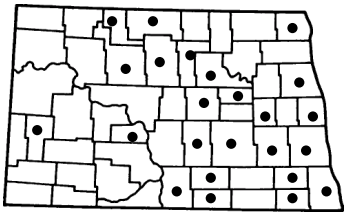
Sources: 14, 29, 39, 4, 41, 42, 43, 45, 47, 5, *10*, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VI–VII.



158 (372). *Packera pseudaurea* (Rydb.) W.A. Weber & A. Love, falsegold groundsel

Senecio pseudaureus



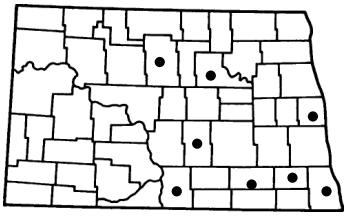
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, OLIVER, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, SARGENT, STUTSMAN, TRAILL, WARD, WELLS.

Sources: 18, 29, 39, 4, 41, 43, 47, 5, *11*, *15*, *16*, *19*, *1*, *25*, *26*, *30*, *31*, *43*, *45*, *6*, *7*, *8*.

Photographed in VI.

159 (373). *Packera tridenticulata* (Rydb.) W.A. Weber & A. Love, threetooth ragwort

Senecio densus, Senecio manitobensis, Senecio tridenticulatus, Senecio molinarius, Senecio muirii, Senecio saxosus

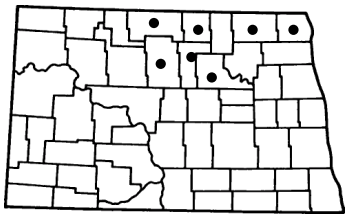


Distribution. BENSON, EMMONS, KIDDER, LAMOURE, MCHENRY, RANSOM, RICHLAND, TRAILL.

Sources: 18, 29, 34, 4, 41, 43, 47, 5, *1*, *25*, *26*, *31*, *33*, *35*, *39*, *45*, *5*.

Photographed in VI.

160 (374). *Petasites frigidus* (L.) Fr., arctic sweet coltsfoot

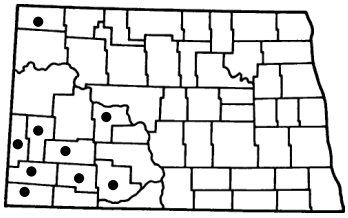


Distribution. BENSON, BOTTINEAU, CAVALIER, MCHENRY, PEMBINA, PIERCE, ROLETTE.

Sources: 15, 18, 29, 3, 33, 34, 35, 39, 4, 41, 43, 47, 5, *15*, *16*, *1*, *27*, *28*, *30*, *43*, *45*, *5*, *6*, *7*.

Photographed in VII.

161 (375). *Picradeniopsis oppositifolia* (Nutt.) Rydb. ex Britton, oppositeleaf bahia

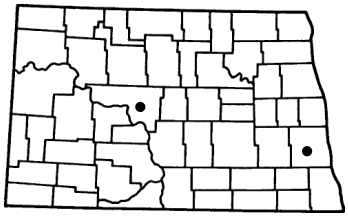


Distribution. BILLINGS, BOWMAN, DIVIDE, GOLDEN VALLEY, GRANT, HETTINGER, MERCER, SLOPE, STARK.

Sources: 1, 18, 29, 3, 39, 4, 41, 45, 47, 5, 6, *27*, *32*, *45*, *5*.

Photographed in VIII.

162 (376). *Picris echioides* L., bristly oxtongue



Distribution. CASS, MCLEAN. Introduced.

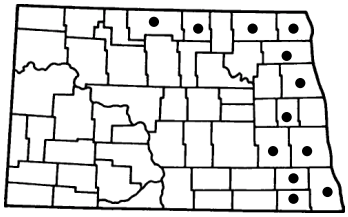
Sources: 27, 29, 43, 47, 5, *39*, *40*.

? *Pityopsis graminifolia* (Michx.) Nutt., narrowleaf silkgrass

Sources: *3*.

163 (377). *Prenanthes alba* L., white rattlesnakeroot

Nabalus albus

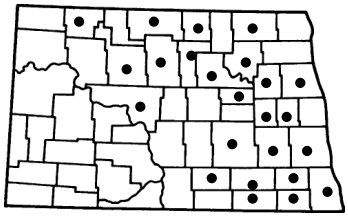


Distribution. BARNES, BOTTINEAU, CASS, CAVALIER, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, WALSH.

Sources: 1, 11, 14, 25, 26, 27, 28, 29, 30, 4, 41, 42, 43, 47, 5, 6, 7, *18*, *39*, *3*.

Photographed in VIII.

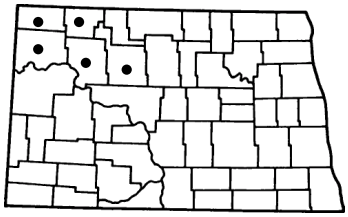
164 (378). *Prenanthes racemosa* Michx., purple rattlesnakeroot



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, EDDY, GRAND FORKS, GRIGGS, LAMOURE, LOGAN, MCHENRY, MCLEAN, NELSON, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, WARD.

Sources: 1, 10, 11, 13, 17, 19, 2, 21, 25, 26, 27, 28, 29, 4, 41, 43, 45, 47, 5, 6, 7, 8, 9, *18*, *39*, *3*, *7*.

165 (379). *Pyrrocoma lanceolata* (Hook.) Greene, lanceleaf goldenweed

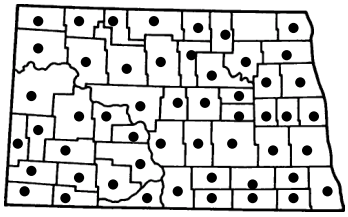


Distribution. BURKE, DIVIDE, MOUNTRAIL, WARD, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 41, 43, 45, 47, 5, *13*, *1*, *27*, *6*.

Photographed in VIII.

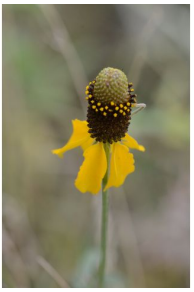
166 (380). *Ratibida columnifera* (Nutt.) Woot. & Standl., upright prairie coneflower

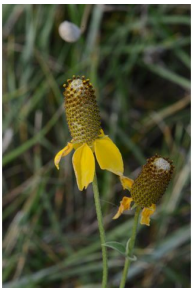


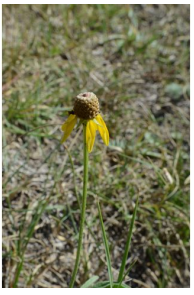
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 10, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *1*, *25*, *32*, *6*, *7*, *9*.

Photographed in VII–IX.

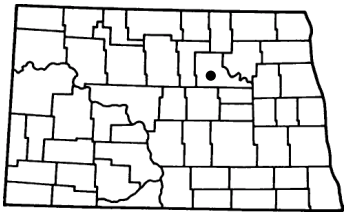






167 (381). *Ratibida pinnata* (Vent.) Barnhart, pinnate prairie coneflower

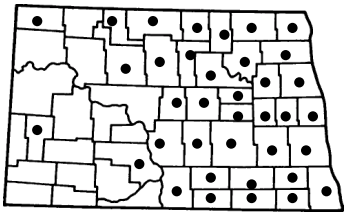
Lepachys pinnata, Rudbeckia pinnata



Distribution. BENSON.

Sources: 7.

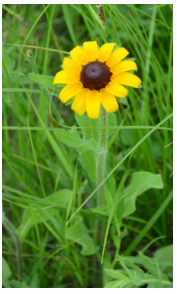
168 (382). *Rudbeckia hirta* L., blackeyed Susan

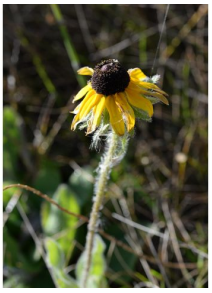


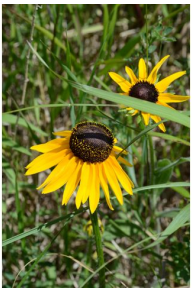
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MORTON, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 10, 11, 14, 19, 2, 21, 25, 26, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 47, 5, 6, 7, 8, *13*, *17*, *27*, *43*, *7*, *9*.

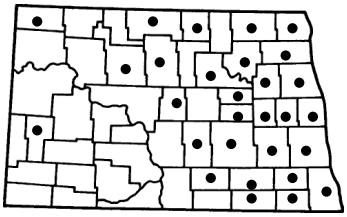
Photographed in VII–IX.







169 (383). *Rudbeckia laciniata* L., cutleaf coneflower



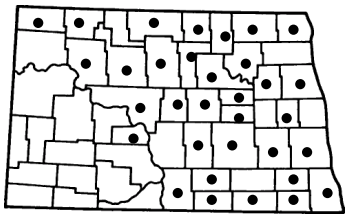
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STEELE, STUTSMAN, TRAILL, WALSH, WARD.

Sources: 1, 11, 14, 18, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 47, 5, 6, 7, 8, *43*.

Photographed in VII–VIII.

170 (384). *Senecio congestus* (R. Br.) DC., marsh fleabane

Cineraria congesta, Senecio palustris

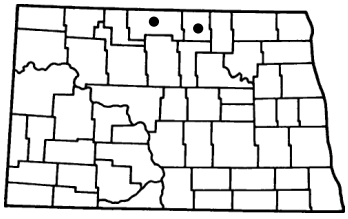


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STEELE, STUTSMAN, TOWNER, WARD, WELLS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 19, 21, 25, 26, 27, 28, 29, 30, 31, 4, 41, 42, 43, 47, 5, 6, 7, 8, 9, *18*, *39*, *3*, *45*.

Photographed in VII–IX.

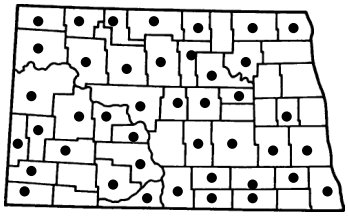
171 (385). *Senecio eremophilus* Richardson, desert ragwort



Distribution. BOTTINEAU, ROLETTE.

Sources: 18, 27, 28, 29, 3, 34, 35, 39, 41, 43, 47, 5, *5*.

172 (386). *Senecio integerrimus* Nutt., lambstongue ragwort

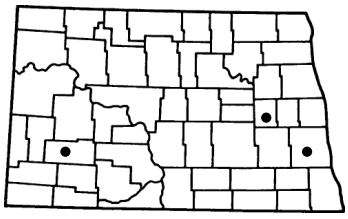


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 13, 17, 18, 2, 21, 24, 25, 26, 28, 29, 3, 30, 31, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, *11*, *19*, *27*, *32*, *7*.

Photographed in V–VI.

173 (387). *Senecio vulgaris* L., old-man-in-the-Spring



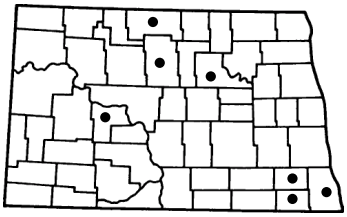
Distribution. CASS, GRIGGS, STARK. Introduced.

Sources: 24, 29, 39, 4, 40, 43, 47, 5.

Photographed in X.

174 (388). *Shinnersoseris rostrata* (A. Gray) S. Tomb, beaked skeletonweed

Lygodesmia rostrata



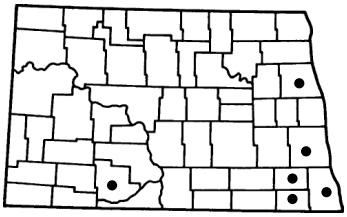
Distribution. BENSON, BOTTINEAU, MCHENRY, MERCER, RANSOM, RICHLAND, SARGENT.

Sources: 18, 26, 29, 3, 39, 41, 43, 47, 7, *1*, *25*, *27*, *28*, *43*, *5*, *6*, *7*.

? *Silphium laciniatum* L., compassplant

Sources: 18, 29.

175 (389). *Silphium perfoliatum* L., cup plant

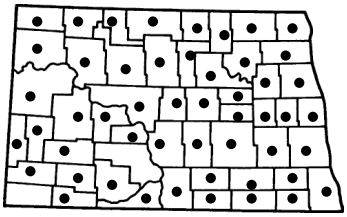


Distribution. CASS, GRAND FORKS, GRANT, RANSOM, RICHLAND, SARGENT.

Sources: 1, 15, 16, 25, 26, 27, 29, 3, 39, 41, 42, 43, 45, 47, *18*.

176 (390). *Solidago canadensis* L., Canada goldenrod

Solidago altissima

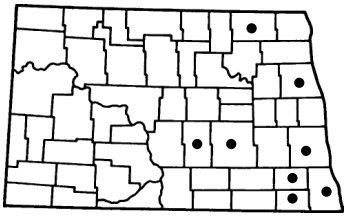


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 18, 19, 2, 21, 24, 25, 26, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*, *18*, *24*, *27*, *29*, *39*, *43*, *45*, *47*, *5*, *7*.

Photographed in VII–X.

177 (391). *Solidago flexicaulis* L., zigzag goldenrod

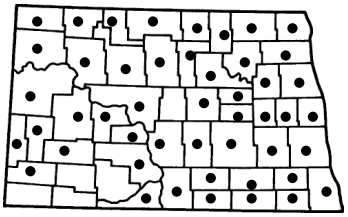


Distribution. CASS, CAVALIER, GRAND FORKS, KIDDER, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 14, 18, 25, 26, 27, 29, 3, 34, 35, 39, 41, 43, 47, 5, 7.

178 (392). *Solidago gigantea* Aiton, giant goldenrod

Solidago leiophallaSolidago pitcheri, Solidago serotina, Solidago serotinoides

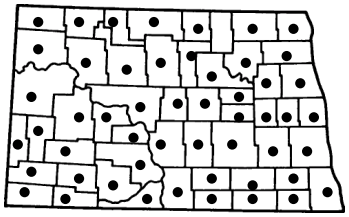


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *15*, *3*, *7*.

Photographed in VII–VIII.

179 (393). *Solidago missouriensis* Nutt., Missouri goldenrod

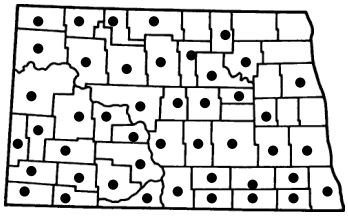


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, 7.

Photographed in VII–X.

180 (394). *Solidago mollis* Bartlett, velvety goldenrod



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

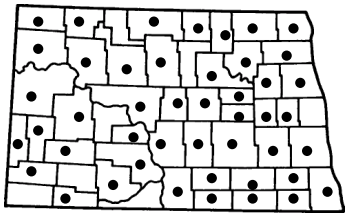
Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *45*.

Photographed in VII–X.

? *Solidago multiradiata* Aiton, Rocky Mountain goldenrod

Sources: 43.

181 (395). *Solidago nemoralis* Aiton, gray goldenrod



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

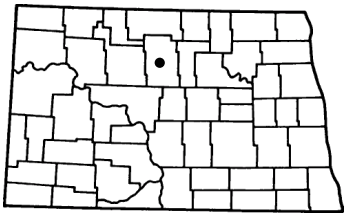
Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9.

Photographed in VII–VIII.

? *Solidago odora* Aiton, anisescented goldenrod

Sources: 18, 3.

182 (396). *Solidago simplex* Kunth, Mt. Albert goldenrod

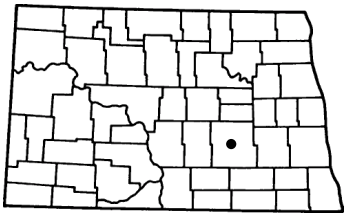


Distribution. MCHENRY.

Sources: 39, 4, 47.

Photographed in IX.

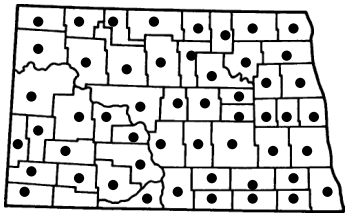
183 (397). *Solidago speciosa* Nutt., showy goldenrod



Distribution. STUTSMAN.

Sources: 1, 29, 39, 41, 43, 47.

184 (398). *Sonchus arvensis* L., field sowthistle



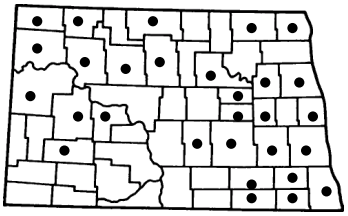
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 13, 14, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 32, 36, 37, 39, 4, 40, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *11*, *15*, *1*, *31*, *43*, *45*, *7*.

Photographed in VII–X.

185 (399). *Sonchus asper* (L.) Hill, spiny sowthistle

Sonchus nymanii

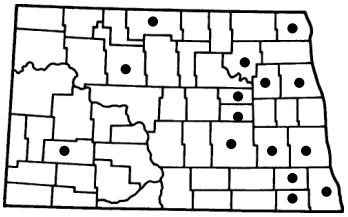


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, MCHENRY, MCKENZIE, MERCER, MOUNTRAIL, NELSON, PEMBINA, RANSOM, RICHLAND, SARGENT, STARK, STUTSMAN, TRAILL, WARD, WILLIAMS. Introduced.

Sources: 1, 10, 11, 14, 18, 2, 20, 24, 25, 26, 27, 28, 29, 3, 30, 39, 4, 40, 42, 43, 45, 47, 5, 7, 8, *18*, *19*.

Photographed in IX.

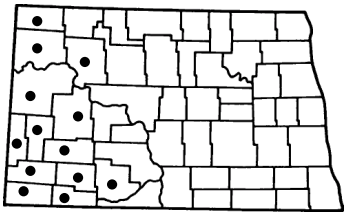
186 (400). *Sonchus oleraceus* L., common sowthistle



Distribution. BARNES, BOTTINEAU, CASS, EDDY, FOSTER, GRAND FORKS, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STARK, STUTSMAN, WARD. Introduced.

Sources: 1, 10, 11, 17, 19, 24, 25, 26, 27, 28, 29, 3, 30, 36, 39, 4, 40, 42, 43, 45, 47, 5, 7, 8.

187 (401). *Stenotus armerioides* Nutt., thrift mock goldenweed

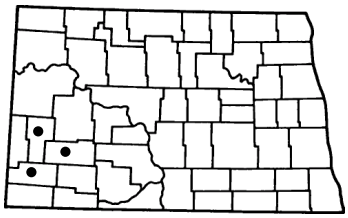


Distribution. ADAMS, BILLINGS, BOWMAN, DIVIDE, DUNN, GOLDEN VALLEY, GRANT, HETTINGER, MCKENZIE, MOUNTRAIL, SLOPE, STARK, WILLIAMS.

Sources: 29, 3, 39, 4, 41, 43, 47, 5, 7, *13*, *1*, *24*, *27*, *32*, *7*.

Photographed in VI.

188 (402). *Stephanomeria minor* (Hook.) Nutt., lesser wirelettuce

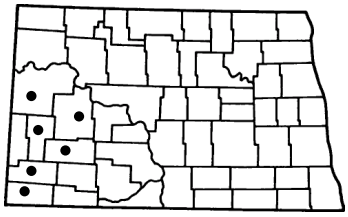


Distribution. BILLINGS, SLOPE, STARK.

Sources: 29, 43, 47, *32*, *33*, *35*, *39*, *41*, *5*.

189 (403). *Stephanomeria runcinata* Nutt., desert wirelettuce

Ptiloria ramosa

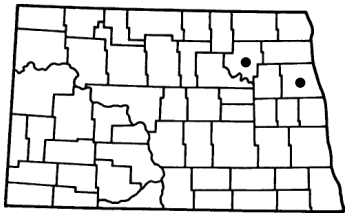


Distribution. BILLINGS, BOWMAN, DUNN, MCKENZIE, SLOPE, STARK.

Sources: 24, 29, 33, 35, 39, 41, 47, 5, 7.

190 (404). *Symphyotrichum ascendens* (Lindl.) G.L. Nesom, western aster

Aster adscendens, Aster ascendens, Aster macounii, Aster subgriseus, Virgulaster ascendens

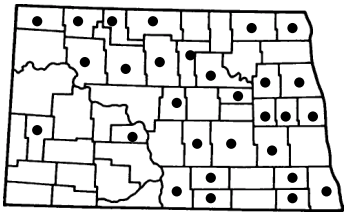


Distribution. GRAND FORKS, RAMSEY.

Sources: 45, 47, *7*.

191 (405). *Symphyotrichum boreale* (Torr. & A. Gray) A. Love & D. Love, northern bog aster

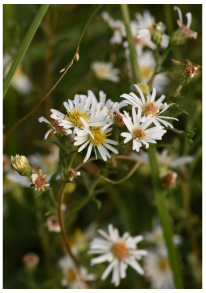
Aster borealis, Aster junceus

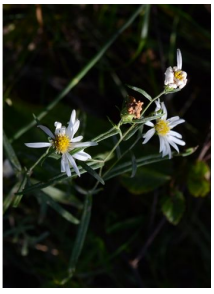


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CAVALIER, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, STEELE, STUTSMAN, TRAILL, WARD.

Sources: 29, 39, 4, 43, 47, 5, *11*, *13*, *15*, *16*, *19*, *1*, *25*, *26*, *28*, *30*, *31*, *41*, *45*, *5*, *6*, *7*, *8*.

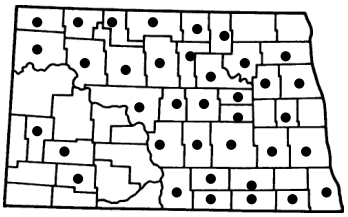
Photographed in VII–IX.





192 (406). *Symphyotrichum ciliatum* (Ledeb.) G.L. Nesom, rayless alkali aster

Aster brachyactis, Brachyactis angusta, Brachyactis ciliata, Tripolium angustum



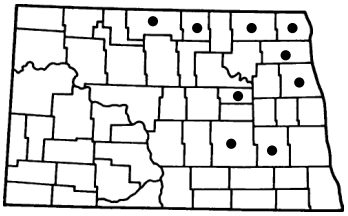
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, NELSON, PIERCE, RAMSEY, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 43, 45, 47, 5, *10*, *11*, *13*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *41*, *5*, *6*, *7*, *8*.

Photographed in VIII–X.

193 (407). *Symphyotrichum ciliolatum* (Lindl.) A. Love & D. Love, Lindley's aster

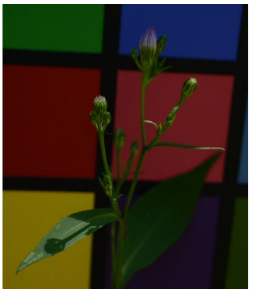
Aster ciliolatus, Aster lindleyanus, Aster maccallae, Aster saundersii, Aster subgeminatus, Aster wilsonii, Symphyotrichum subgeminatum



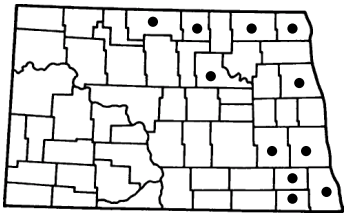
Distribution. BARNES, BOTTINEAU, CAVALIER, EDDY, GRAND FORKS, PEMBINA, ROLETTE, STUTSMAN, WALSH.

Sources: 18, 29, 39, 4, 43, 45, 47, *11*, *19*, *1*, *41*, *7*.

Photographed in VII–VIII.



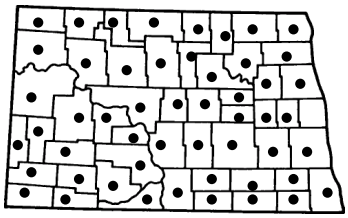
194 (408). *Symphyotrichum cordifolium* (L.) G.L. Nesom, common blue wood aster



Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT.

Sources: 14, 39, 45, *11*, *1*, *25*, *26*, *27*, *28*, *30*, *41*, *6*, *7*.

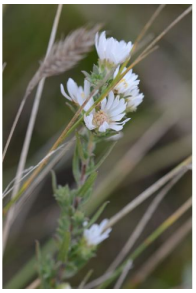
195 (409). *Symphyotrichum ericoides* (L.) G.L. Nesom, white heath aster ☐

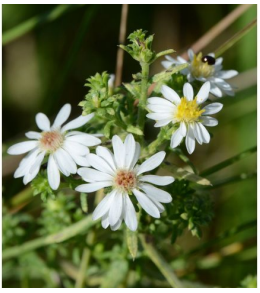


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

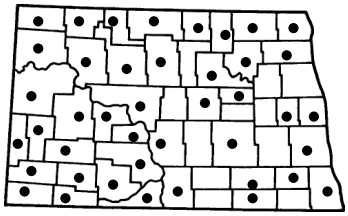
Sources: 12, 14, 18, 29, 3, 39, 4, 42, 43, 45, 47, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII–X.





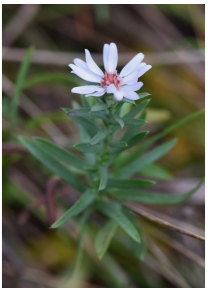
196 (410). *Symphyotrichum falcatum* (Lindl.) G.L. Nesom, white prairie aster



Distribution. ADAMS, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, LAMOURE, MCHENRY, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

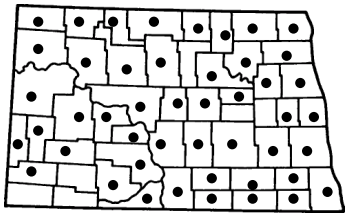
Sources: 18, 29, 39, 4, 43, 45, 47, 5, *13*, *17*, *19*, *1*, *21*, *24*, *27*, *2*, *41*, *43*, *44*, *5*, *7*, *8*.

Photographed in VIII–X.



197 (411). *Symphyotrichum laeve* (L.) A. Love & D. Love, smooth blue aster

Aster laevis

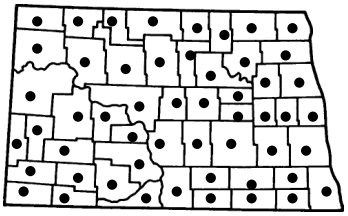


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 18, 29, 3, 39, 4, 42, 43, 45, 47, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII–IX.

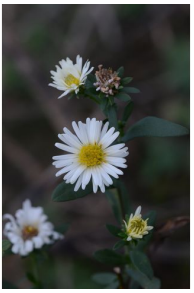
198 (412). *Symphyotrichum lanceolatum* (Willd.) G.L. Nesom, white panicle aster

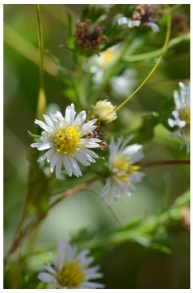


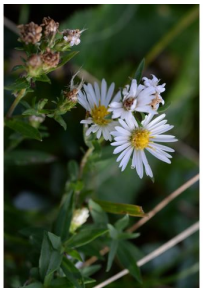
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

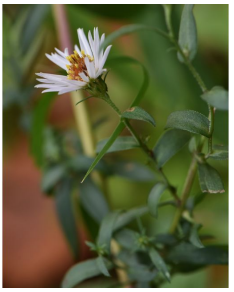
Sources: 12, 18, 29, 39, 4, 42, 43, 45, 47, 5, *10*, *11*, *13*, *15*, *16*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *28*, *2*, *30*, *31*, *32*, *3*, *41*, *43*, *44*, *5*, *6*, *7*, *8*, *9*.

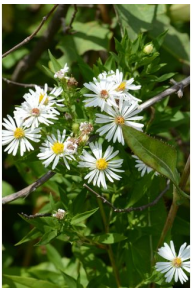
Photographed in VIII–X.





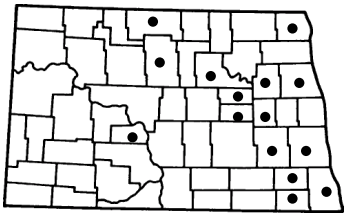






199 (413). *Symphyotrichum novae-angliae* (L.) G.L. Nesom, New England aster

Aster novae-angliae, Lasallea novae-angliae, Virgulus novae-angliae

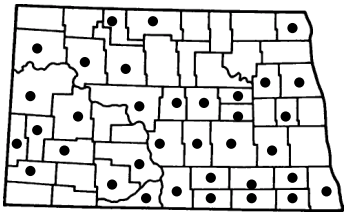


Distribution. BARNES, BENSON, BOTTINEAU, CASS, EDDY, FOSTER, GRAND FORKS, GRIGGS, MCHENRY, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 18, 29, 3, 39, 4, 43, 45, 47, *11*, *15*, *16*, *19*, *1*, *25*, *26*, *27*, *28*, *30*, *41*, *5*, *6*, *7*, *8*, *9*.

Photographed in IX.

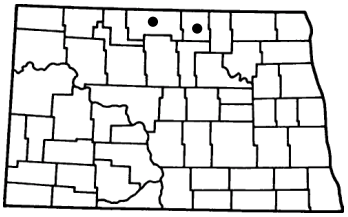
200 (414). *Symphyotrichum oblongifolium* (Nutt.) G.L. Nesom, aromatic aster



Distribution. BARNES, BILLINGS, BOTTINEAU, BURLEIGH, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, PEMBINA, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 12, 14, 18, 29, 3, 39, 4, 43, 45, 47, 5, *11*, *13*, *17*, *19*, *1*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*.

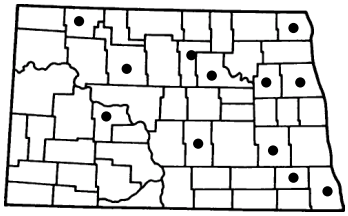
201 (415). *Symphyotrichum patens* (Aiton) G.L. Nesom, late purple aster



Distribution. BOTTINEAU, ROLETTE.

Sources: 4.

202 (416). *Symphyotrichum praealtum* (Poir.) G.L. Nesom, willowleaf aster



Distribution. BARNES, BENSON, BURKE, GRAND FORKS, KIDDER, MERCER, NELSON, PEMBINA, PIERCE, RANSOM, RICHLAND, WARD.

Sources: 18, 39, 4, *18*, *27*, *3*, *45*, *7*, *9*.

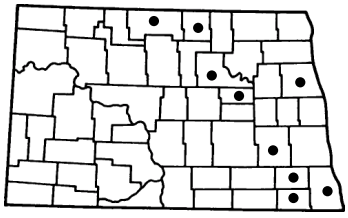
Photographed in VII–IX.

? *Symphyotrichum prenanthoides* (Muhl. ex Willd.) G.L. Nesom, crookedstem aster

Aster prenanthoides

Sources: *7*.

203 (417). *Symphyotrichum puniceum* (L.) A. Love & D. Love, purplestem aster

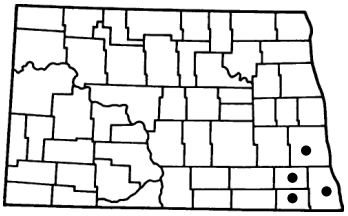


Distribution. BARNES, BENSON, BOTTINEAU, EDDY, GRAND FORKS, RANSOM, RICHLAND, ROLETTE, SARGENT.

Sources: 18, 29, 3, 39, 43, 45, *47*, *11*, *15*, *16*, *1*, *25*, *26*, *27*, *28*, *33*, *41*, *5*, *6*, *8*.

204 (418). *Symphyotrichum sericeum* (Vent.) G.L. Nesom, western silver aster

Aster sericeus, Lasallea sericea, Virgulus sericeus



Distribution. CASS, RANSOM, RICHLAND, SARGENT.

Sources: 29, 34, 39, 43, 47, *1*, *25*, *26*, *27*, *33*, *35*, *41*, *5*, *7*.

? *Symphyotrichum undulatum* (L.) G.L. Nesom, wavyleaf aster

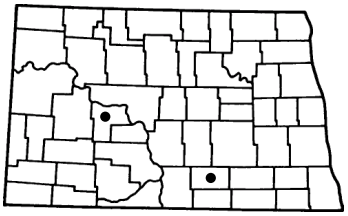
Aster claviger, Aster corrigiatus, Aster gracilescens, Aster mohrii, Aster proteus, Aster sylvestris, Aster triangularis, Aster truellius, Aster undulatus

Sources: 3.

† *Symphyotrichum urophyllum* (Lindl.) G.L. Nesom, white arrowleaf aster

Sources: 39, 47.

205 (419). *Symphyotrichum* ×*amethystinum* (Nutt.) G.L. Nesom, Amethyst aster



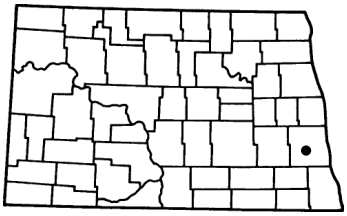
Distribution. LOGAN, MERCER.

Sources: 4, 47, *29*, *39*, *41*.

Photographed in IX.

206 (420). *Tanacetum balsamita* L., costmary

Balsamita major, Chrysanthemum balsamita, Pyrethrum majus

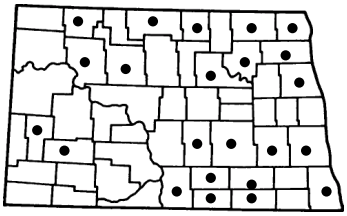


Distribution. CASS. Introduced.

Sources: *5*.

207 (421). *Tanacetum vulgare* L., common tansy

Chrysanthemum vulgare, Tanacetum boreale



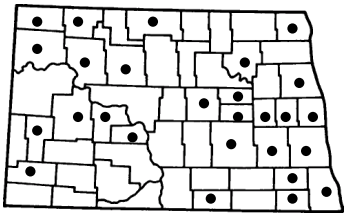
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MOUNTRAIL, PEMBINA, RAMSEY, RICHLAND, ROLETTE, STARK, STUTSMAN, WALSH, WARD. Introduced.

Sources: 1, 11, 13, 14, 17, 18, 2, 21, 25, 26, 27, 28, 29, 3, 31, 36, 39, 4, 40, 42, 43, 44, 47, 5, 6, 7, *30*, *32*, *7*.

Photographed in VII–VIII.

208 (422). *Taraxacum laevigatum* (Willd.) DC., rock dandelion

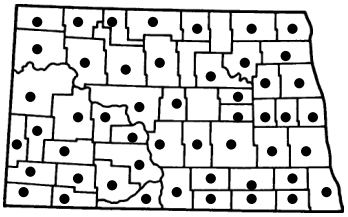
Leontodon erythrospermum, Taraxacum disseminatum, Taraxacum erythrospermum, Taraxacum lacistophyllum, Taraxacum scanicum



Distribution. BARNES, BILLINGS, BOTTINEAU, BURKE, CASS, DIVIDE, DUNN, EDDY, FOSTER, GRAND FORKS, GRIGGS, MCINTOSH, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 13, 14, 17, 19, 21, 25, 26, 27, 29, 30, 39, 43, 47, 5, 7, 8, *28*, *32*, *3*, *40*.

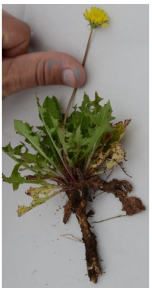
209 (423). *Taraxacum officinale* F.H. Wigg., common dandelion

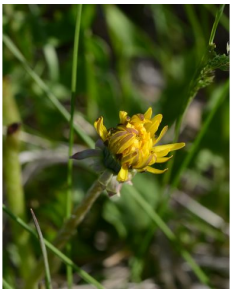


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 10, 12, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *11*, *18*, *3*, *7*.

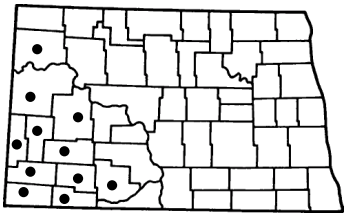
Photographed in VI–VIII.





210 (424). *Tetraneuris acaulis* (Pursh) Greene, stemless four-nerve daisy

Hymenoxys acaulis



Distribution. ADAMS, BILLINGS, BOWMAN, DUNN, GOLDEN VALLEY, GRANT, HETTINGER, MCKENZIE, SLOPE, STARK, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 41, 43, 45, 47, 5, *13*, *1*, *24*, *27*, *32*, *43*, *45*, *6*, *7*.

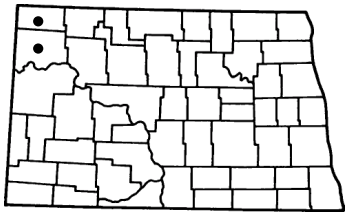
Photographed in VI–VIII.

? *Tetraneuris torreyana* (Nutt.) Greene, Torrey's four-nerve daisy

Hymenoxys depressa, Hymenoxys torreyana, Tetraneuris depressa

Sources: 5.

211 (425). *Thelesperma subnudum* A. Gray, Navajo tea

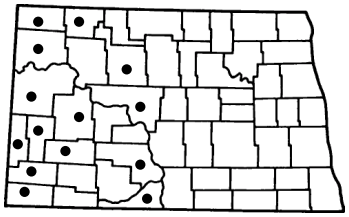


Distribution. DIVIDE, WILLIAMS.

Sources: 29, 34, 39, 4, 41, 43, 47, *13*, *33*, *5*.

212 (426). *Townsendia exscapa* (Richardson) Porter, stemless Townsend daisy

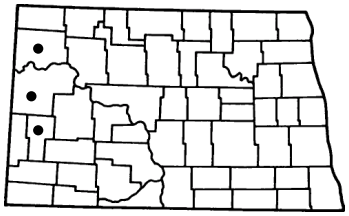
Aster exscapus, Townsendia intermedia, Townsendia sericea, Townsendia pinetorum



Distribution. BILLINGS, BOWMAN, BURKE, DIVIDE, DUNN, GOLDEN VALLEY, MCKENZIE, MCLEAN, MORTON, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 12, 13, 17, 18, 24, 27, 29, 3, 32, 39, 4, 41, 43, 47, 5, 6.

213 (427). *Townsendia hookeri* Beaman, Hooker's Townsend daisy

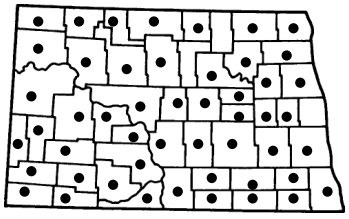


Distribution. BILLINGS, MCKENZIE, WILLIAMS.

Sources: 24, 29, 34, 39, 43, 47, 5.

214 (428). *Tragopogon dubius* Scop., yellow salsify

Tragopogon major



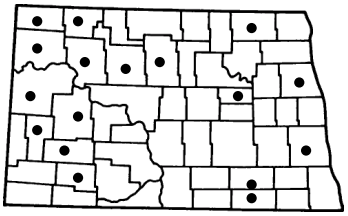
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 12, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *13*.

Photographed in VI–X.

215 (429). ***Tragopogon lamottei*** **Rouy, Jack-go-to-bed-at-noon**

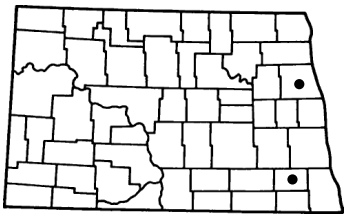
Tragopogon orientalis, Tragopogon pratensis



Distribution. BILLINGS, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, GRAND FORKS, HETTINGER, LAMOURE, MCHENRY, MCKENZIE, MOUNTRAIL, STARK, WARD, WILLIAMS. Introduced.

Sources: 40, 5, *17*, *24*, *2*, *39*, *3*, *45*, *5*, *7*.

216 (430). *Tragopogon porrifolius* L., salsify

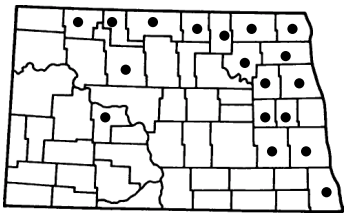


Distribution. GRAND FORKS, RANSOM. Introduced.

Sources: 18, 7.

217 (431). *Tripleurospermum maritimum* (L.) W.D.J. Koch, false mayweed

Chamomilla inodora, Matricaria inodora, Tripleurospermum inodorum

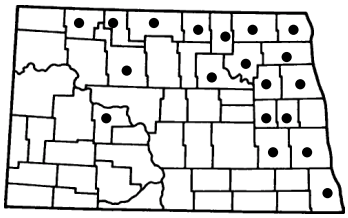


Distribution. BARNES, BOTTINEAU, BURKE, CASS, CAVALIER, GRAND FORKS, GRIGGS, MERCER, NELSON, PEMBINA, RAMSEY, RENVILLE, RICHLAND, ROLETTE, STEELE, TOWNER, WALSH, WARD. Introduced.

Sources: 39, 4, 5, *11*, *13*, *1*, *21*, *25*, *26*, *28*, *30*, *44*, *5*, *7*.

Photographed in VII–VIII.

218 (432). *Tripleurospermum perforatum* (Merat) M. Lainz, scentless false mayweed

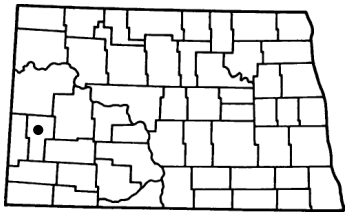


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, GRAND FORKS, GRIGGS, MERCER, NELSON, PEMBINA, RAMSEY, RENVILLE, RICHLAND, ROLETTE, STEELE, TOWNER, WALSH, WARD. Introduced.

Sources: 29, 36, 4, 47, *27*, *3*, *40*, *43*.

Photographed in VII–IX.

219 (433). *Verbesina encelioides* (Cav.) Benth. & Hook. f. ex A. Gray, golden crownbeard



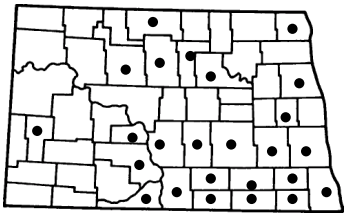
Distribution. BILLINGS.

Sources: 29, 39, 43, 7, *5*.

? *Vernonia baldwinii* Torr., Baldwin's ironweed

Sources: *7*.

220 (434). *Vernonia fasciculata* Michx., prairie ironweed



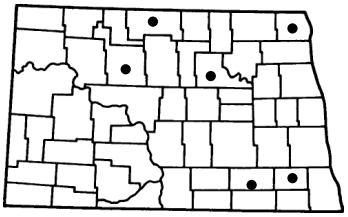
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, DICKEY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MORTON, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, SIOUX, STEELE, STUTSMAN, WARD.

Sources: 1, 11, 15, 16, 17, 18, 25, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, *26*, *2*, *7*.

Photographed in VIII.

221 (435). *Xanthium spinosum* L., spiny cocklebur

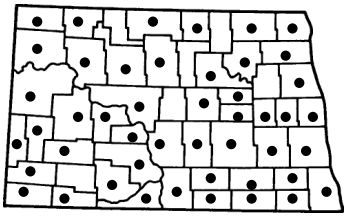
Acanthoxanthium spinosum



Distribution. BENSON, BOTTINEAU, LAMOURE, PEMBINA, RANSOM, WARD. Introduced.

Sources: 7, *18*, *39*, *3*, *45*.

222 (436). *Xanthium strumarium* L., rough cocklebur



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

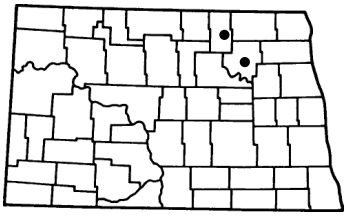
Sources: 1, 11, 12, 13, 14, 15, 16, 18, 19, 2, 21, 24, 25, 26, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *17*, *25*, *27*, *30*, *3*, *7*.

Photographed in VII–VIII.

31. Convolvulaceae, Morning-glory family

1 (437). *Calystegia macounii* (Greene) Brummitt, Macoun's false bindweed ☐

Convolvulus interior

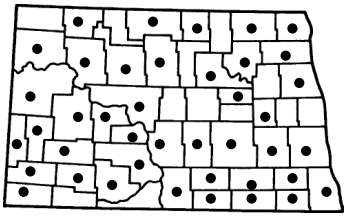


Distribution. RAMSEY, TOWNER.

Sources: 18, 21, 29, 39, 4, 41, *5*.

Photographed in VII.

2 (438). *Calystegia sepium* (L.) R. Br., hedge false bindweed ☐



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STUTSMAN, WALSH, WARD, WILLIAMS. Introduced.

Sources: 10, 14, 19, 2, 21, 29, 3, 37, 39, 4, 41, 42, 43, 44, 45, 5, 7, 8, *11*, *13*, *17*, *18*, *1*, *24*, *25*, *26*, *27*, *28*, *30*, *31*, *32*, *5*, *6*, *7*.

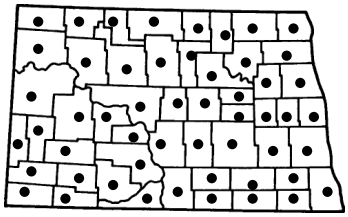
Photographed in VII.

? *Calystegia silvatica* (Kit.) Griseb., shortstalk false bindweed ☐

Sources: 29, 41.

3 (439). *Convolvulus arvensis* L., field bindweed

Convolvulus ambigens, Convolvulus incanus, Strophocaulos arvensis

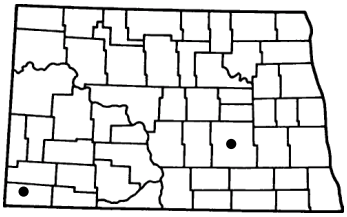


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 12, 13, 14, 17, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 31, 32, 37, 39, 4, 40, 42, 43, 44, 45, 5, 6, 7, 8, 9, *24*, *7*.

Photographed in VI–IX.

4 (440). *Cuscuta approximata* Bab., alfalfa dodder

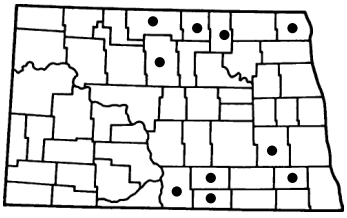


Distribution. BOWMAN, STUTSMAN. Introduced.

Sources: 29, 32, 39, 40, 5, *27*.

5 (441). *Cuscuta cephalanthi* Engelm., buttonbush dodder

Grammica cephalanthi

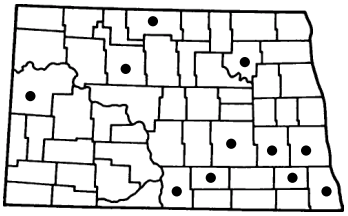


Distribution. BARNES, BOTTINEAU, EMMONS, LOGAN, MCHENRY, MCINTOSH, PEMBINA, RANSOM, ROLETTE, TOWNER.

Sources: 1, 25, 26, 27, 28, 29, 3, 31, 39, 41, 43, 5, *18*, *30*, *5*.

6 (442). *Cuscuta coryli* Engelm., hazel dodder

Grammica coryli

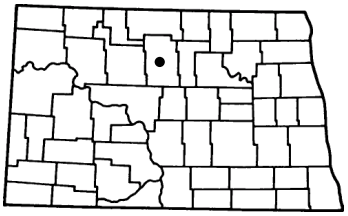


Distribution. BARNES, BOTTINEAU, CASS, EMMONS, LOGAN, MCKENZIE, RAMSEY, RANSOM, RICHLAND, STUTSMAN, WARD.

Sources: 1, 11, 17, 18, 21, 24, 25, 26, 27, 28, 29, 3, 31, 39, 41, 43, 5.

7 (443). *Cuscuta cuspidata* Engelm., cusp dodder

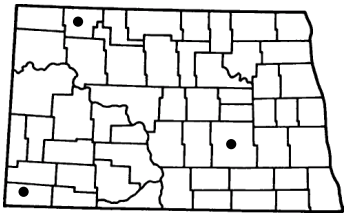
Grammica cuspidata



Distribution. MCHENRY.

Sources: 29, 39, 43, 5.

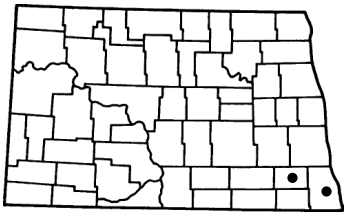
8 (444). *Cuscuta epithymum* (L.) L., clover dodder



Distribution. BOWMAN, BURKE, STUTSMAN. Introduced.

Sources: 11, 27, 29, 39, 40, 43, 5.

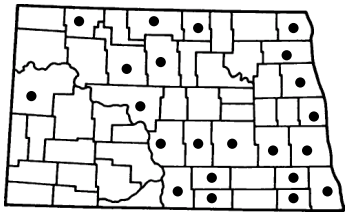
9 (445). *Cuscuta glomerata* Choisy, rope dodder



Distribution. RANSOM, RICHLAND.

Sources: 1, 25, 26, 29, 35, 39, 41, 43, 5.

10 (446). *Cuscuta gronovii* Willd. ex Schult., scaldweed

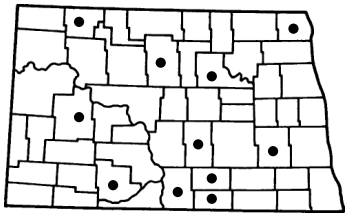


Distribution. BARNES, BOTTINEAU, BURKE, BURLEIGH, CASS, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, TRAILL, WALSH, WARD.

Sources: 1, 11, 13, 14, 17, 18, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 44, 5, 7, *1*, *35*, *6*.

Photographed in VIII.

11 (447). *Cuscuta indecora* Choisy, bigseed alfalfa dodder



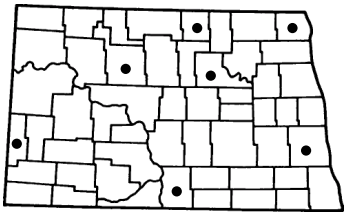
Distribution. BARNES, BENSON, BURKE, DUNN, EMMONS, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, PEMBINA.

Sources: 1, 11, 18, 24, 27, 29, 3, 31, 39, 4, 41, 43, 5.

Photographed in VIII.

12 (448). *Cuscuta megalocarpa* Rydb., bigfruit dodder

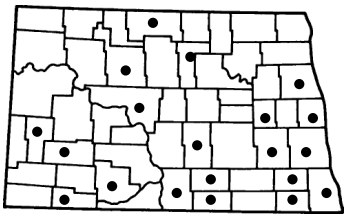
Cuscuta curta, Cuscuta australis



Distribution. BENSON, CASS, EMMONS, GOLDEN VALLEY, PEMBINA, ROLETTE, WARD.

Sources: 29, 39, 41, 43, 5.

13 (449). *Cuscuta pentagona* Engelm., fiveangled dodder

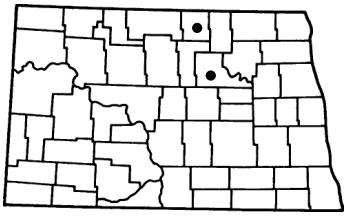


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, CASS, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LOGAN, MCINTOSH, MCLEAN, PIERCE, RANSOM, RICHLAND, SARGENT, STARK, TRAILL, WARD.

Sources: 1, 11, 17, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 41, 43, 5, *18*, *27*, *28*, *3*, *5*, *7*.

Photographed in VII.

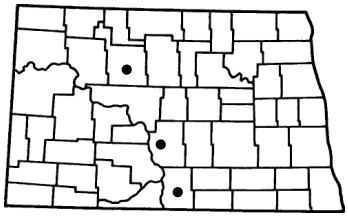
14 (450). *Cuscuta plattensis* A. Nelson, prairie dodder



Distribution. BENSON, ROLETTE.

Sources: 43, 5, *18*.

15 (451). *Cuscuta polygonorum* Engelm., smartweed dodder



Distribution. BURLEIGH, EMMONS, WARD.

Sources: 1, 29, 31, 34, 35, 39, 41, 43, 5.

† *Evolvulus nuttallianus* Schult., shaggy dwarf morning-glory

Evolvulus argenteus, Evolvulus pilosus

Sources: 29, 39.

? *Ipomoea alba* L., tropical white morning-glory

Calonyction aculeatum, Ipomoea bona-nox

Sources: 38, *5*.

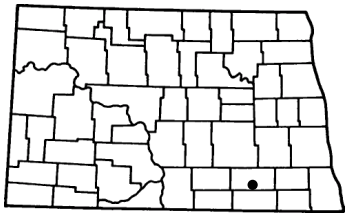
? *Ipomoea aquatica* Forssk., swamp morning-glory

Ipomoea reptans

Sources: *18*, *3*.

16 (452). *Ipomoea hederacea* Jacq., ivyleaf morning-glory

Ipomoea barbigera, Ipomoea desertorum, Ipomoea hirsutula, Ipomoea nil, Pharbitis barbigera, Pharbitis hederacea

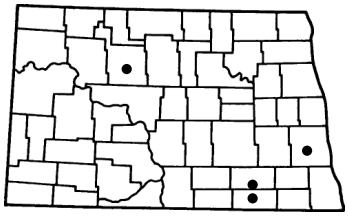


Distribution. LAMOURE. Introduced.

Sources: 29, 3, 39, *5*.

17 (453). *Ipomoea purpurea* (L.) Roth, tall morning-glory

Convolvulus purpureus, Ipomoea hirsutula, Pharbitis purpurea



Distribution. CASS, DICKEY, LAMOURE, WARD. Introduced.

Sources: 1, 17, 18, 2, 29, 3, 39, 4, 40, 43, 5.

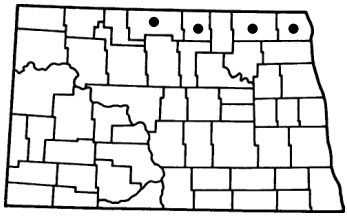
32. Cornaceae, Dogwood family

? *Cornus amomum* Mill., silky dogwood ☐

Sources: 45.

1 (454). *Cornus canadensis* L., bunchberry dogwood ☐

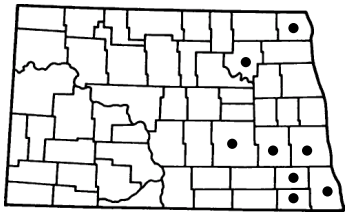
Chamaepericlymenum canadense, Cornella canadensis



Distribution. BOTTINEAU, CAVALIER, PEMBINA, ROLETTE.

Sources: 1, 27, 28, 29, 3, 33, 39, 41, 42, 43, 45, 47, 5, *18*.

2 (455). *Cornus foemina* Mill., stiff dogwood ☐



Distribution. BARNES, CASS, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 11, 21, 26, 3, 41.

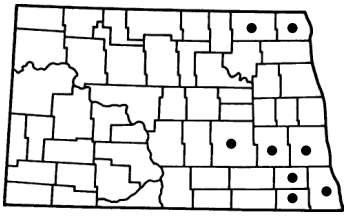
? *Cornus obliqua* Raf., silky dogwood ☐

Cornus purpusii

Sources: 29, 47.

3 (456). *Cornus racemosa* Lam., gray dogwood ☐

Cornus paniculata



Distribution. BARNES, CASS, CAVALIER, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 25, 27, 29, 39, 4, 43, 45, 7.

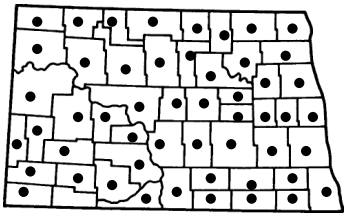
Photographed in VII.

? *Cornus rugosa* Lam., roundleaf dogwood ☐

Sources: 29.

4 (457). *Cornus sericea* L., redosier dogwood ☐

Cornus stolonifera



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

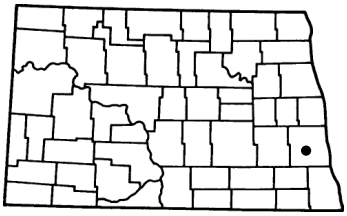
Sources: 14, 29, 4, 41, 42, 43, 45, 47, 5, *11*, *13*, *15*, *16*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *3*, *44*, *6*, *7*, *8*.

Photographed in VI–IX.

33. Cruciferae, Mustard family

1 (458). *Alliaria petiolata* (M. Bieb.) Cavara & Grande, garlic mustard

Alliaria alliaria, Erysimum alliaria, Sisymbrium alliaria

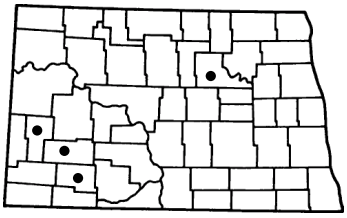


Distribution. CASS. Introduced.

Sources: 29, 39, 40, 43, *1*.

2 (459). *Alyssum alyssoides* (L.) L., pale madwort

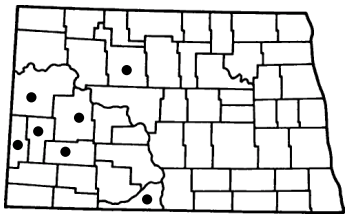
Alyssum calycinum, Clypeola alyssoides



Distribution. BENSON, BILLINGS, HETTINGER, STARK. Introduced.

Sources: 45, 5, 7.

3 (460). *Alyssum desertorum* Stapf, desert madwort



Distribution. BILLINGS, DUNN, GOLDEN VALLEY, MCKENZIE, SIOUX, STARK, WARD. Introduced.

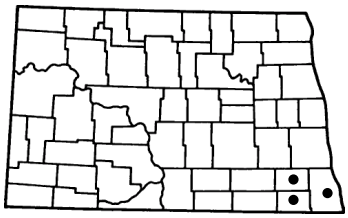
Sources: 1, 12, 24, 29, 32, 33, 39, 41, 43, 47, 5.

? *Arabidopsis thaliana* (L.) Heynh., mouseear cress

Arabis thaliana, Sisymbrium thalianum

Sources: 7.

4 (461). *Arabis canadensis* L., sicklepod

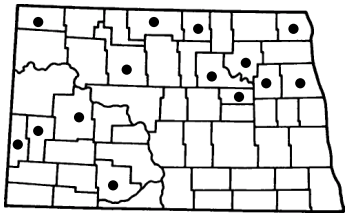


Distribution. RANSOM, RICHLAND, SARGENT.

Sources: 26, 29, 33, 34, 35, 41, 43, 5, *1*, *39*.

5 (462). *Arabis drummondii* A. Gray, Drummond's rockcress

Arabis brachycarpa, Arabis connexa, Arabis oxyphylla, Boechera brachycarpa, Boechera drummondii, Erysimum drummondii, Turritis drummondii

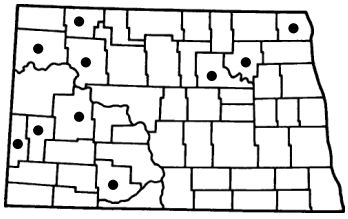


Distribution. BENSON, BILLINGS, BOTTINEAU, DIVIDE, DUNN, EDDY, GOLDEN VALLEY, GRAND FORKS, GRANT, NELSON, PEMBINA, RAMSEY, ROLETTE, WARD.

Sources: 1, 14, 21, 24, 27, 28, 29, 30, 32, 4, 41, 43, 47, 5, 6, 7, 8, *18*, *39*, *3*, *43*, *7*.

6 (463). *Arabis glabra* (L.) Bernh., tower rockcress

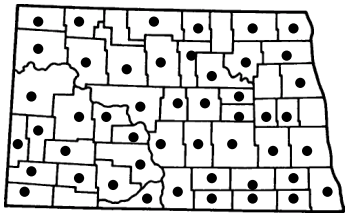
Turritis glabra



Distribution. BENSON, BILLINGS, BURKE, DUNN, GOLDEN VALLEY, GRANT, MOUNTRAIL, PEMBINA, RAMSEY, WILLIAMS.

Sources: 1, 24, 29, 4, 41, 43, 5, *13*, *39*.

7 (464). *Arabis hirsuta* (L.) Scop., hairy rockcress

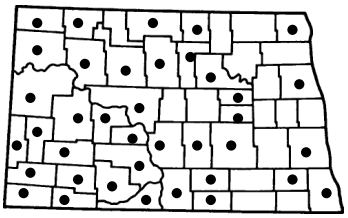


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 17, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 32, 4, 41, 42, 43, 45, 47, 6, 7, 8, *28*, *39*, *43*, *5*.

Photographed in VI–VII.

8 (465). *Arabis holboellii* Hornem., Holboell's rockcress ☐

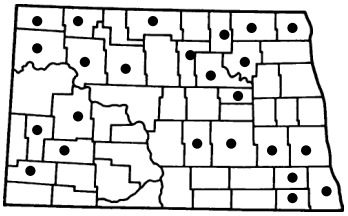


Distribution. ADAMS, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 19, 24, 27, 28, 29, 30, 31, 32, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, *17*, *18*, *39*, *43*, *5*.

Photographed in VI.

9 (466). *Arabis* ×*divaricarpa* A. Nelson, spreadingpod rockcress ☐

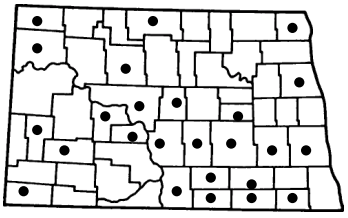


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DIVIDE, DUNN, EDDY, KIDDER, MOUNTRAIL, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, STARK, STUTSMAN, TOWNER, WARD, WILLIAMS.

Sources: 4, 41, 47, *11*, *13*, *17*, *19*, *1*, *24*, *25*, *26*, *27*, *28*, *30*, *32*, *3*, *44*, *5*, *6*, *7*.

10 (467). *Armoracia rusticana* G. Gaertn., B. Mey. & Scherb., horseradish ☐

Armoracia armoracia, Cochlearia armoracia, Nasturtium armoracia, Radicula armoracia, Rorippa armoracia

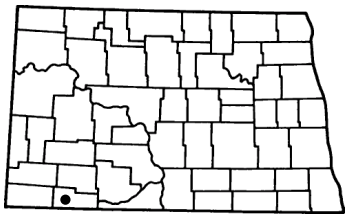


Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, DICKEY, DIVIDE, EMMONS, FOSTER, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MERCER, OLIVER, PEMBINA, SARGENT, SHERIDAN, STARK, STUTSMAN, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 19, 24, 29, 3, 31, 39, 4, 43, 47, 5, 6, 7, *13*, *17*, *25*, *27*, *28*, *2*, *30*, *32*.

Photographed in X.

11 (468). *Barbarea orthoceras* Ledeb., American yellowrocket

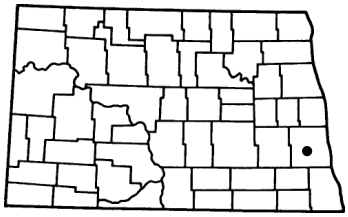


Distribution. ADAMS.

Sources: 20.

12 (469). *Barbarea vulgaris* W.T. Aiton, garden yellowrocket

Barbarea arcuata, Barbarea stricta, Campe barbarea, Campe stricta

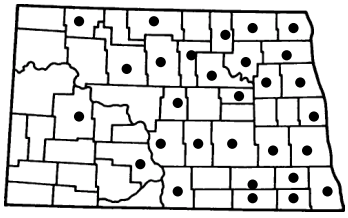


Distribution. CASS. Introduced.

Sources: 1, 16, 18, 27, 29, 39, 40, 43.

13 (470). *Berteroa incana* (L.) DC., hoary alyssum

Alyssum incanum



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, MCHENRY, MORTON, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, STUTSMAN, TOWNER, TRAILL, WALSH, WARD. Introduced.

Sources: 1, 11, 13, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 40, 43, 44, 45, 47, 5, 6, 7, 8.

Photographed in IX–X.

* *Brassica juncea* (L.) Czern., brown mustard

Brassica japonica, Brassica willdenowii, Sinapis juncea

Sources: 1, 11, 13, 18, 2, 24, 25, 26, 27, 28, 29, 3, 31, 32, 38, 39, 40, 43, 45, 47, 5, 7, 8, *19*.

? *Brassica napus* L., canola

Sources: 38, 4.

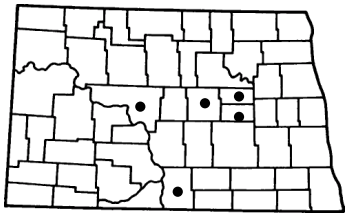
Photographed in VII–X.

* *Brassica nigra* (L.) W.D.J. Koch, black mustard

Sinapis nigra

Sources: 1, 17, 18, 20, 27, 29, 3, 38, 39, 40, 43, 47, 7.

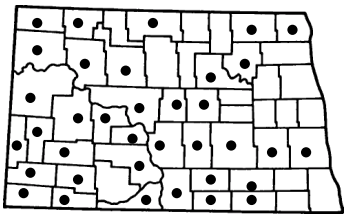
14 (471). *Brassica rapa* L., field mustard



Distribution. EDDY, EMMONS, FOSTER, MCLEAN, WELLS. Introduced.

Sources: 18, 29, 3, 39, 40, 43, 47, 5, 7, *19*, *1*, *27*, *8*.

15 (472). *Camelina microcarpa* Andrz. ex DC., littlepod false flax ☐

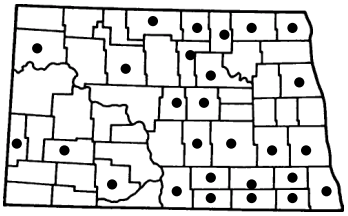


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 2, 21, 24, 27, 28, 29, 31, 39, 4, 40, 43, 45, 47, 5, 6, 7, *32*.

Photographed in VI.

16 (473). *Camelina sativa* (L.) Crantz, gold-of-pleasure ☐

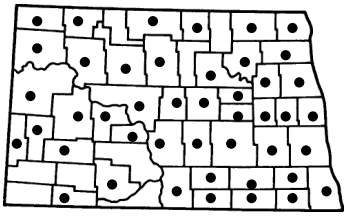


Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DICKEY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 18, 19, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 43, 45, 47, 5, 7, *13*, *27*, *2*, *39*, *3*.

17 (474). *Capsella bursa-pastoris* (L.) Medik., shepherd's purse ☐

Bursa bursa-pastoris, Bursa gracilis, Capsella rubella, Thlaspi bursa-pastoris



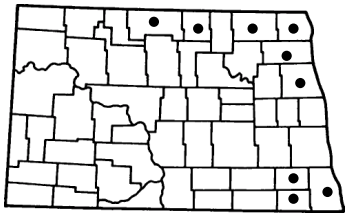
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, *6*, *7*.

Photographed in VI–VIII.

18 (475). *Cardamine bulbosa* (Schreb. ex Muhl.) Britton, Sterns & Poggenb., bulbous bittercress ☐

Arabis bulbosa, Arabis rhomboidea, Cardamine rhomboidea



Distribution. BOTTINEAU, CAVALIER, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, WALSH.

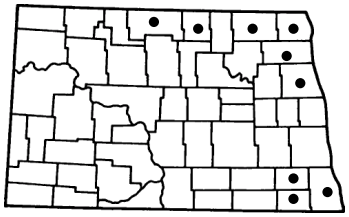
Sources: 1, 15, 16, 25, 26, 27, 29, 34, 35, 39, 41, 43, 5.

? *Cardamine concatenata* (Michx.) Sw., cutleaf toothwort ☐

Cardamine laciniata, Dentaria concatenata, Dentaria laciniata

Sources: 29.

19 (476). *Cardamine pensylvanica* Muhl. ex Willd., Pennsylvania bittercress ☐

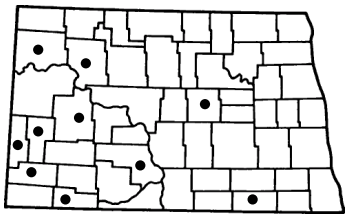


Distribution. BOTTINEAU, CAVALIER, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, WALSH.

Sources: 1, 14, 15, 16, 18, 28, 29, 3, 30, 39, 41, 43, 47, 7, *25*, *26*, *27*, *7*.

20 (477). *Cardaria chalepensis* (L.) Hand.-Maz., lenspod whitetop ☐

Cardaria chalapensis, Cardaria repens, Lepidium repens

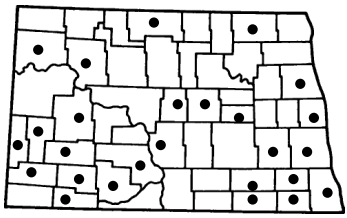


Distribution. ADAMS, BILLINGS, DICKEY, DUNN, GOLDEN VALLEY, MORTON, MOUNTRAIL, SLOPE, WELLS, WILLIAMS. Introduced.

Sources: 29, 37, 5, *39*, *47*.

21 (478). *Cardaria draba* (L.) Desv., whitetop

Lepidium draba

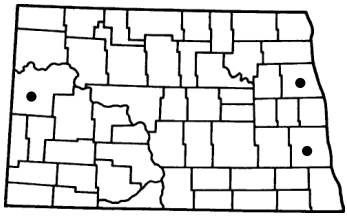


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, LAMOURE, MORTON, MOUNTRAIL, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, TRAILL, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 19, 2, 24, 25, 26, 27, 28, 29, 32, 36, 37, 4, 43, 45, 47, 6, *13*, *39*, *40*, *43*.

22 (479). *Cardaria pubescens* (C.A. Mey.) Jarmolenko, hairy whitetop

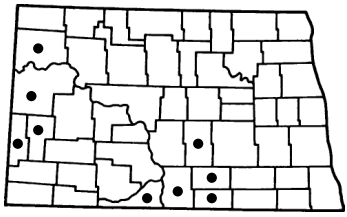
Hymenophysa pubescens, Lepidium appelianum



Distribution. CASS, GRAND FORKS, MCKENZIE. Introduced.

Sources: 24, 27, 29, 37, 43, 47, 5, 7, *39*, *40*.

23 (480). *Chorispora tenella* (Pall.) DC., crossflower

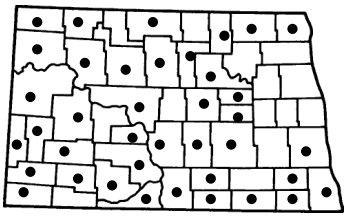


Distribution. BILLINGS, EMMONS, GOLDEN VALLEY, KIDDER, LOGAN, MCINTOSH, MCKENZIE, SIOUX, WILLIAMS. Introduced.

Sources: 1, 12, 13, 29, 31, 39, 4, 40, 43, 47, 5, 7, *32*.

Photographed in VI.

24 (481). *Cleome serrulata* Pursh, Rocky Mountain beeplant

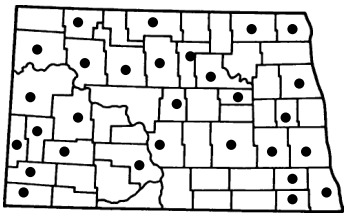


Distribution. BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 19, 24, 25, 26, 27, 28, 29, 31, 32, 4, 41, 42, 43, 44, 45, 47, 6, 7, 8, *18*, *39*, *3*, *43*, *45*, *5*, *7*.

25 (482). *Conringia orientalis* (L.) Dumort., hare's ear mustard

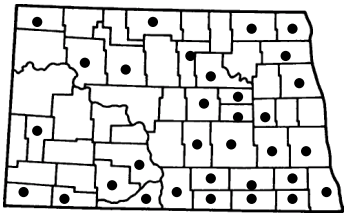
Brassica orientalis



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DUNN, EDDY, GOLDEN VALLEY, GRAND FORKS, MCHENRY, MCKENZIE, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS. Introduced.

Sources: 1, 13, 17, 18, 19, 24, 25, 26, 28, 29, 3, 32, 39, 4, 43, 45, 47, 5, 6, 7, 8, *11*, *27*, *30*, *7*.

26 (483). *Descurainia incana* (Bernh. ex Fisch. & C.A. Mey.) Dorn, mountain tansymustard

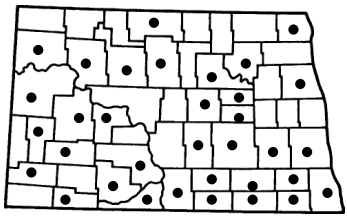


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN, WALSH, WARD, WELLS.

Sources: 14, 18, 29, 39, 4, 41, 42, 43, 45, 47, 5, *11*, *13*, *17*, *19*, *1*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *3*, *7*, *8*.

Photographed in VII.

27 (484). *Descurainia pinnata* (Walter) Britton, western tansymustard



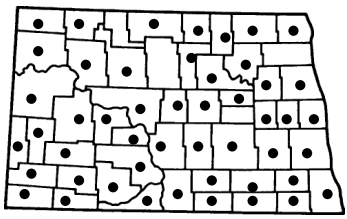
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 43, 45, 47, 6, 7, 8, *18*, *5*.

Photographed in VI–VIII.

28 (485). *Descurainia sophia* (L.) Webb ex Prantl, herb sophia

Sisymbrium sophia, Sophia sophia

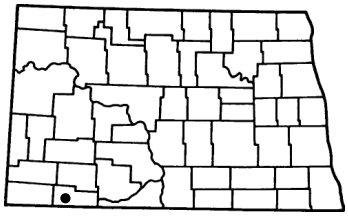


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, *13*, *30*, *7*.

Photographed in V–VII.

29 (486). *Draba albertina* Greene, slender draba

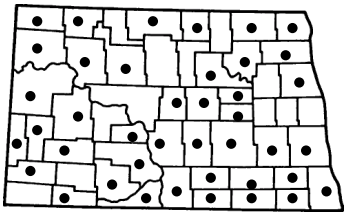


Distribution. ADAMS.

Sources: 20.

30 (487). *Draba nemorosa* L., woodland draba

Draba lutea



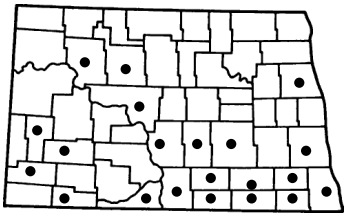
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *32*, *7*.

Photographed in V.

31 (488). *Draba reptans* (Lam.) Fernald, Carolina draba

Draba caroliniana, Draba micrantha

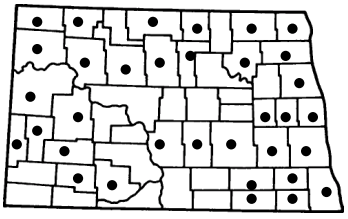


Distribution. ADAMS, BILLINGS, BURLEIGH, CASS, DICKEY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MOUNTRAIL, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD.

Sources: 1, 11, 12, 13, 18, 2, 24, 25, 26, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, *17*, *20*, *27*, *7*.

32 (489). *Erucastrum gallicum* (Willd.) O.E. Schulz, common dogmustard

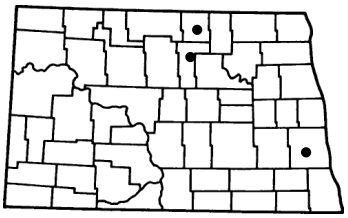
Brassica erucastrum



Distribution. BARNES, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, MCHENRY, MCKENZIE, MOUNTRAIL, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 18, 2, 21, 24, 25, 27, 28, 29, 3, 30, 31, 32, 39, 4, 43, 47, 5, 6, 7, *17*, *26*, *7*.

33 (490). *Eruca vesicaria* (L.) Cav., rocketsalad

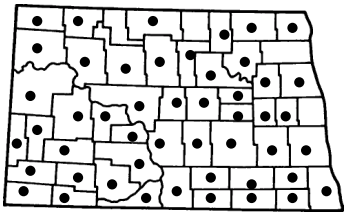


Distribution. CASS, PIERCE, ROLETTE. Introduced.

Sources: 29, 39, 41, 43, 47, *27*.

34 (491). *Erysimum asperum* (Nutt.) DC., western wallflower

Cheirinia aspera

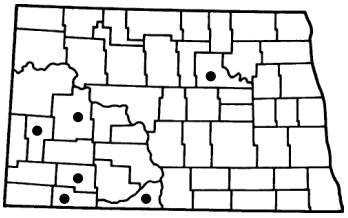


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 6, 7, 8, 9, *13*, *30*, *5*.

Photographed in V–IX.

35 (492). *Erysimum capitatum* (Douglas ex Hook.) Greene, sanddune wallflower

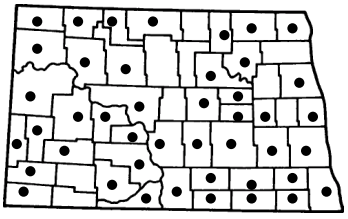


Distribution. ADAMS, BENSON, BILLINGS, DUNN, HETTINGER, SIOUX.

Sources: 12, 43, 45.

36 (493). *Erysimum cheiranthoides* L., wormseed wallflower

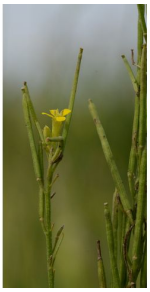
Cheirinia cheiranthoides



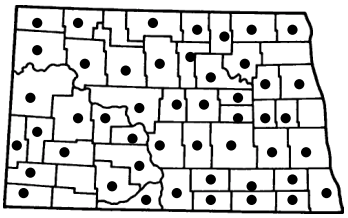
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 14, 18, 19, 2, 21, 24, 26, 29, 3, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, *13*, *17*, *25*, *27*, *28*, *30*, *31*, *32*, *7*, *8*.

Photographed in VI–X.



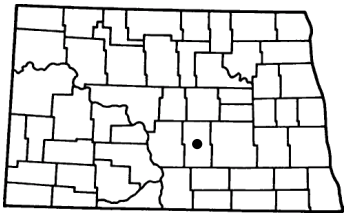
37 (494). *Erysimum inconspicuum* (S. Watson) MacMill., shy wallflower



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 26, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 47, 6, 7, 8, *17*, *25*, *27*, *32*, *5*, *7*.

38 (495). *Erysimum marschallianum* Andrz. ex M. Bieb., hard wallflower



Distribution. KIDDER. Introduced.

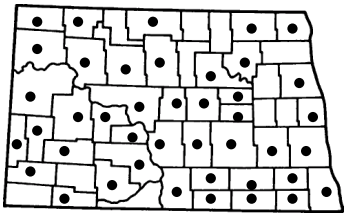
Sources: *43*.

? *Erysimum repandum* L., spreading wallflower

Cheirinia repanda

Sources: 20, 29.

39 (496). *Hesperis matronalis* L., dames rocket

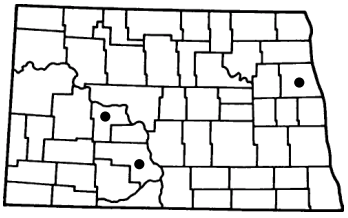


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 42, 43, 45, 47, 5, 6, 7, 8.

Photographed in VI–IX.

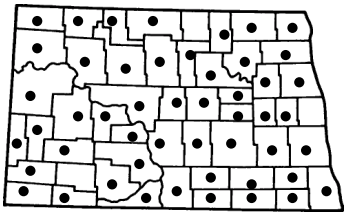
40 (497). *Lepidium campestre* (L.) W.T. Aiton, field pepperweed ☐



Distribution. GRAND FORKS, MERCER, MORTON. Introduced.

Sources: 42.

41 (498). *Lepidium densiflorum* Schrad., common pepperweed ☐

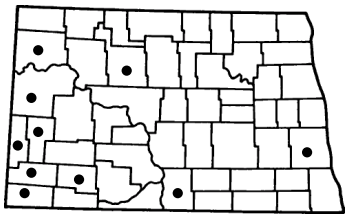


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *28*.

Photographed in V–VIII.

42 (499). *Lepidium perfoliatum* L., clasping pepperweed ☐

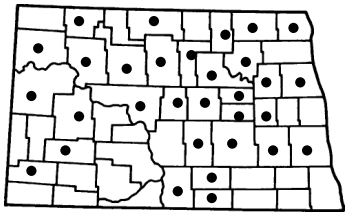


Distribution. BILLINGS, BOWMAN, CASS, EMMONS, GOLDEN VALLEY, HETTINGER, MCKENZIE, SLOPE, WARD, WILLIAMS. Introduced.

Sources: 1, 27, 29, 31, 32, 39, 4, 40, 43, 5, *17*.

Photographed in VII.

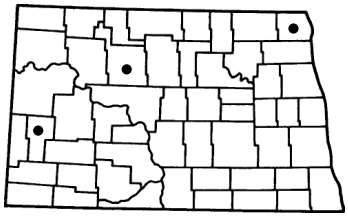
43 (500). *Lepidium ramosissimum* A. Nelson, manybranched pepperweed ☐



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, SHERIDAN, SLOPE, STARK, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 18, 19, 21, 24, 27, 29, 31, 32, 39, 4, 41, 43, 47, 5, 6, *13*, *17*, *28*, *30*, *7*.

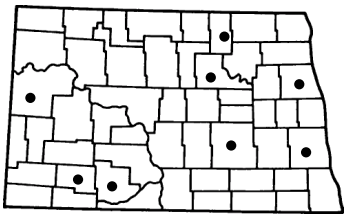
44 (501). *Lepidium sativum* L., gardencress pepperweed ☐



Distribution. BILLINGS, PEMBINA, WARD. Introduced.

Sources: 27, 29, 3, 4, 7, *17*.

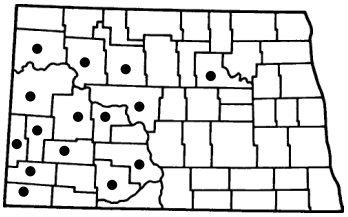
45 (502). *Lepidium virginicum* L., Virginia pepperweed



Distribution. BENSON, CASS, GRAND FORKS, GRANT, HETTINGER, MCKENZIE, STUTSMAN, TOWNER.

Sources: 1, 14, 27, 29, 3, 39, 41, 43, 45, 5, 7.

46 (503). *Lesquerella alpina* (Nutt.) S. Watson, alpine bladderpod

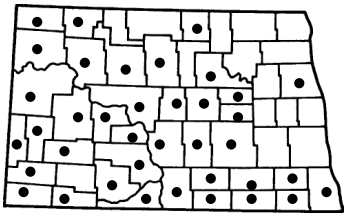


Distribution. BENSON, BILLINGS, BOWMAN, DUNN, GOLDEN VALLEY, GRANT, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 17, 24, 27, 29, 32, 4, 41, 43, 45, 5, 6, 7, *13*, *18*, *39*, *3*, *43*, *45*, *47*.

Photographed in V–VI.

47 (504). *Lesquerella arenosa* (Richardson) Rydb., Great Plains bladderpod

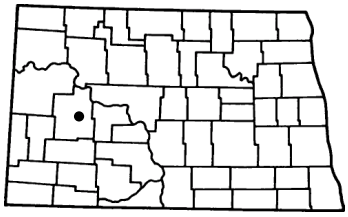


Distribution. ADAMS, BENSON, BILLINGS, BOWMAN, BURKE, BURLEIGH, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 19, 24, 26, 27, 29, 4, 41, 43, 45, 5, 7, 8, *18*, *27*, *2*, *32*, *39*, *3*, *43*, *45*, *47*, *7*.

Photographed in V.

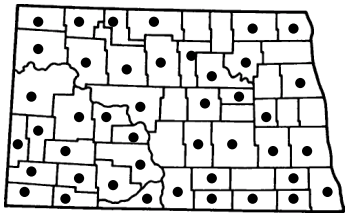
48 (505). *Lesquerella douglasii* S. Watson, Douglas' bladderpod



Distribution. DUNN.

Sources: 43.

49 (506). *Lesquerella ludoviciana* (Nutt.) S. Watson, foothill bladderpod



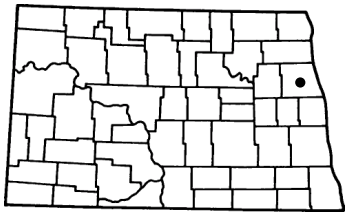
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 17, 19, 21, 24, 25, 26, 28, 29, 31, 32, 4, 41, 42, 43, 44, 5, 6, 7, 8, *13*, *39*, *43*, *47*.

Photographed in VI–VII.

50 (507). *Lobularia maritima* (L.) Desv., sweet alyssum

Alyssum maritimum, Clypeola maritima, Koniga maritima



Distribution. GRAND FORKS. Introduced.

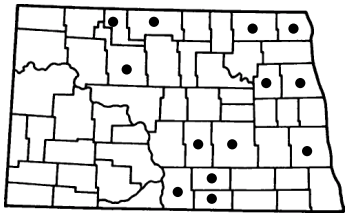
Sources: 7.

† *Nasturtium officinale* W.T. Aiton, watercress

Sources: 39, 47.

51 (508). *Neslia paniculata* (L.) Desv., ballmustard

Myagrum paniculatum



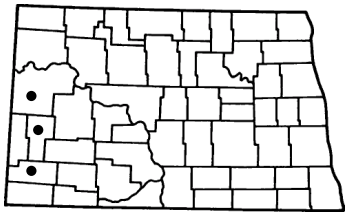
Distribution. BOTTINEAU, CASS, CAVALIER, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, NELSON, PEMBINA, RENVILLE, STUTSMAN, WARD. Introduced.

Sources: 1, 11, 18, 27, 28, 29, 3, 31, 39, 4, 43.

? *Noccaea fendleri* (A. Gray) Holub, Fendler's pennycress

Sources: *45*.

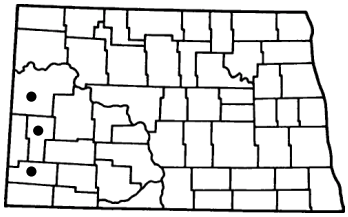
52 (509). *Physaria brassicoides* Rydb., double twinpod



Distribution. BILLINGS, MCKENZIE, SLOPE.

Sources: 24, 27, 29, 32, 39, 41, 43, 47, 5, 7.

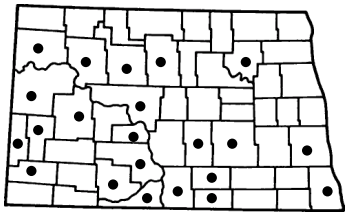
53 (510). *Physaria didymocarpa* (Hook.) A. Gray, common twinpod



Distribution. BILLINGS, MCKENZIE, SLOPE.

Sources: 18, 29, 3, 33, 39, 43, 5, *35*.

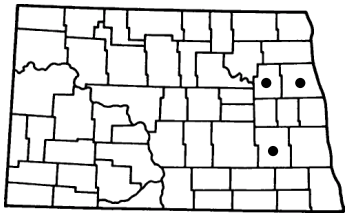
54 (511). *Polanisia dodecandra* (L.) DC., redwhisker clammyweed



Distribution. BILLINGS, CASS, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, RAMSEY, RICHLAND, SIOUX, SLOPE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 18, 21, 26, 29, 3, 31, 39, 4, 41, 43, 45, 47, 5, 6, *13*, *17*, *24*, *25*, *27*, *32*, *7*.

55 (512). *Raphanus raphanistrum* L., wild radish

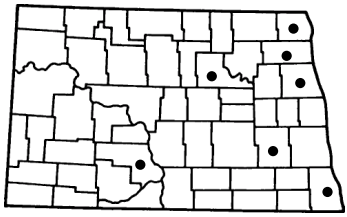


Distribution. BARNES, GRAND FORKS, NELSON. Introduced.

Sources: 27, 29, 3, 39, 47, 7, 9.

56 (513). *Raphanus sativus* L., cultivated radish

Raphia pedunculata

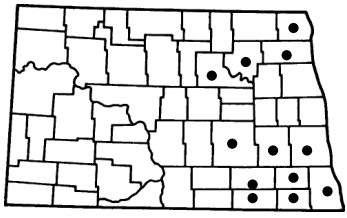


Distribution. BARNES, BENSON, GRAND FORKS, MORTON, PEMBINA, RICHLAND, WALSH. Introduced.

Sources: 1, 18, 25, 26, 27, 29, 3, 39, 40, 43, 47, 7.

57 (514). *Rorippa austriaca* (Crantz) Besser, Austrian yellowcress

Nasturtium austriacum

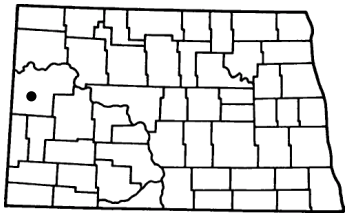


Distribution. BARNES, BENSON, CASS, DICKEY, LAMOURE, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH. Introduced.

Sources: 11, 15, 16, 2, 21, 26, 27, 29, 30, 39, 40, 43, 45, 47, 5, 6.

58 (515). *Rorippa calycina* (Engelm.) Rydb., persistent sepal yellowcress

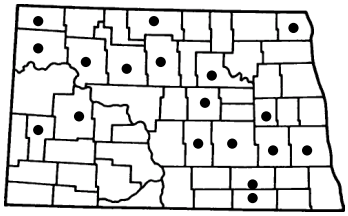
Nasturtium calycinum



Distribution. MCKENZIE.

Sources: 15, 16, 29, 34, 35, 39, 41, 43, 47.

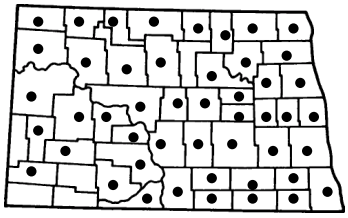
59 (516). *Rorippa curvipes* Greene, bluntleaf yellowcress



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, DICKEY, DIVIDE, DUNN, GRIGGS, KIDDER, LAMOURE, MCHENRY, MOUNTRAIL, PEMBINA, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 15, 16, 19, 2, 24, 29, 39, 4, 41, 43, 47, 5, *15*, *16*, *1*, *27*, *28*, *3*, *5*.

60 (517). *Rorippa palustris* (L.) Besser, bog yellowcress



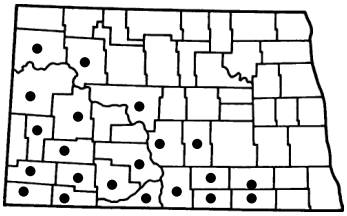
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 15, 16, 18, 19, 2, 21, 24, 26, 29, 3, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 8, *13*, *14*, *17*, *25*, *27*, *28*, *30*, *32*, *44*, *5*, *7*, *9*.

Photographed in VII–X.

61 (518). *Rorippa sinuata* (Nutt.) Hitchc., spreading yellowcress

Nasturtium sinuatum, Radicula sinuata

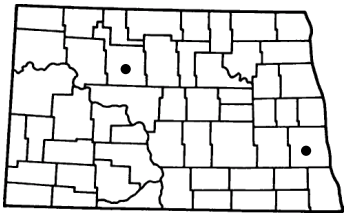


Distribution. ADAMS, BILLINGS, BOWMAN, BURLEIGH, DICKEY, DUNN, EMMONS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 13, 15, 16, 18, 2, 24, 27, 29, 3, 31, 32, 39, 4, 41, 47, 5.

62 (519). *Rorippa sylvestris* (L.) Besser, creeping yellowcress

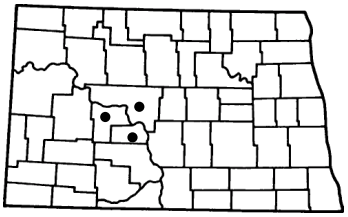
Radicula sylvestris



Distribution. CASS, WARD. Introduced.

Sources: 15, 16, 17, 27, 29, 39, 4, 40, 43, 47.

63 (520). *Rorippa tenerrima* Greene, Modoc yellowcress



Distribution. MCLEAN, MERCER, OLIVER.

Sources: 15, 16, 29, 39, 41, 43, 47.

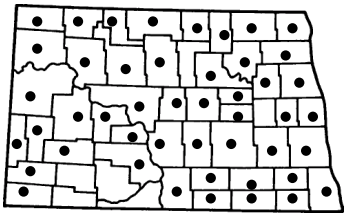
* *Sinapis alba* L., white mustard

Brassica alba, Brassica hirta

Sources: 29, 38, 39, 42, 43, 47, *1*, *26*, *30*.

64 (521). *Sinapis arvensis* L., charlock mustard

Brassica arvensis, Brassica kaber



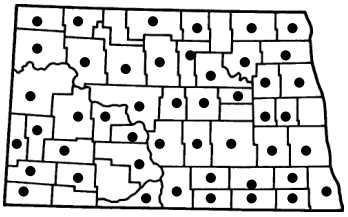
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 14, 18, 29, 3, 39, 4, 40, 42, 43, 45, 47, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *44*, *45*, *6*, *7*, *8*.

Photographed in VI–X.

65 (522). *Sisymbrium altissimum* L., tall tumblemustard

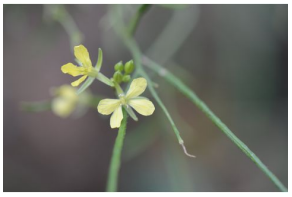
Norta altissima



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

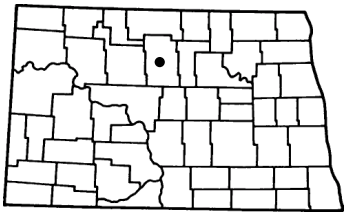
Sources: 1, 10, 12, 13, 14, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, *11*, *21*, *7*.

Photographed in VII–X.



66 (523). *Sisymbrium irio* L., London rocket

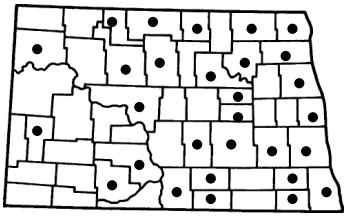
Norta irio



Distribution. MCHENRY. Introduced.

Sources: 7.

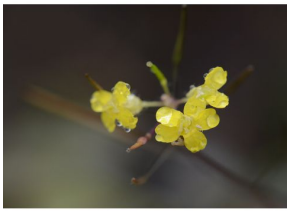
67 (524). *Sisymbrium loeselii* L., small tumbleweed mustard



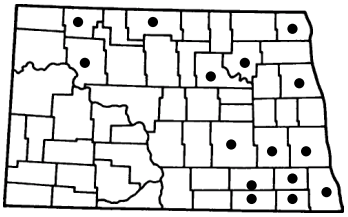
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, CAVALIER, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MORTON, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 14, 21, 26, 27, 28, 29, 31, 32, 39, 4, 42, 43, 47, 5, 6, 7, 8, *13*, *19*, *25*, *30*, *44*.

Photographed in VI–X.



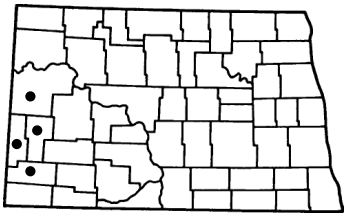
68 (525). *Sisymbrium officinale* (L.) Scop., hedgemustard



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DICKEY, GRAND FORKS, LAMOURE, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN. Introduced.

Sources: 1, 11, 14, 18, 2, 25, 26, 27, 29, 3, 30, 39, 4, 40, 43, 45, 5, 7.

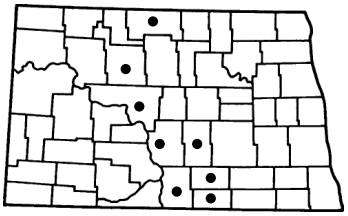
69 (526). *Stanleya pinnata* (Pursh) Britton, desert princesplume



Distribution. BILLINGS, GOLDEN VALLEY, MCKENZIE, SLOPE.

Sources: 1, 18, 27, 29, 3, 32, 39, 41, 43, 45, 47, 5, 6, 7.

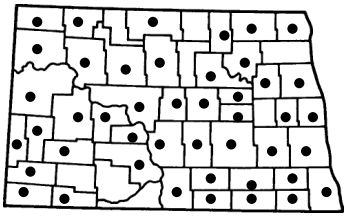
70 (527). *Thelypodium integrifolium* (Nutt.) Endl. ex Walp., entireleaved thelypody



Distribution. BOTTINEAU, BURLEIGH, EMMONS, KIDDER, LOGAN, MCINTOSH, MCLEAN, WARD.

Sources: 1, 16, 29, 3, 31, 39, 41, 43, 47, 5, 6, *27*, *28*.

71 (528). *Thlaspi arvense* L., field pennycress



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *7*.

Photographed in V–X.

34. Cucurbitaceae, Cucumber family

? *Citrullus lanatus* (Thunb.) Matsum. & Nakai, watermelon

Sources: 38, *5*.

? *Cucumis melo* L., cantaloupe

Sources: 38, 5.

? *Cucurbita maxima* Duchesne, winter squash

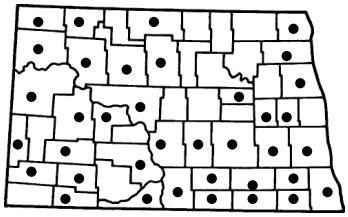
Sources: 38, 5.

? *Cucurbita pepo* L., field pumpkin

Sources: 38, 5.

1 (529). *Echinocystis lobata* (Michx.) Torr. & A. Gray, wild cucumber

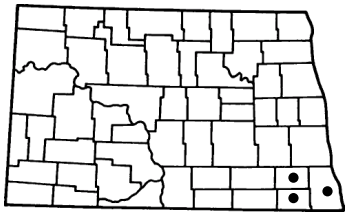
Micrampelis lobata, Sicyos lobata



Distribution. ADAMS, BARNES, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 19, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, *2*, *7*.

2 (530). *Sicyos angulatus* L., oneseed bur cucumber

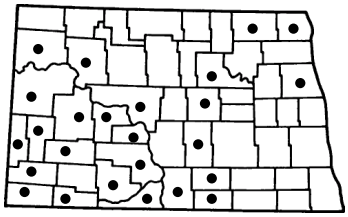


Distribution. RANSOM, RICHLAND, SARGENT.

Sources: 1, 25, 26, 27, 29, 33, 39, 41, 43, 47, 5.

35. Cupressaceae, Cypress family

1 (531). *Juniperus communis* L., common juniper



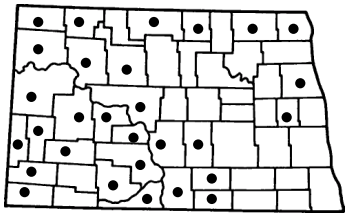
Distribution. ADAMS, BENSON, BILLINGS, BOWMAN, CAVALIER, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, SIOUX, SLOPE, STARK, WELLS, WILLIAMS.

Sources: 1, 13, 18, 19, 24, 27, 29, 3, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7.

Photographed in VII–IX.

2 (532). *Juniperus horizontalis* Moench, creeping juniper

Juniperus hudsonica, Juniperus prostrata, Juniperus repens, Sabina horizontalis, Sabina prostrata



Distribution. BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, ROLETTE, SIOUX, SLOPE, STARK, STEELE, WARD, WILLIAMS.

Sources: 1, 13, 24, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, *31*.

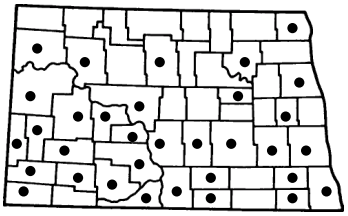
Photographed in V–VIII.

? *Juniperus sabina* L., savin

Sources: 43.

3 (533). *Juniperus scopulorum* Sarg., Rocky Mountain juniper

Sabina scopulorum

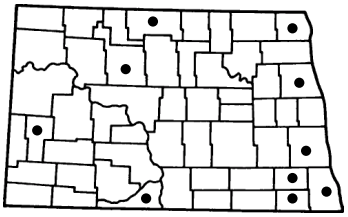


Distribution. BARNES, BILLINGS, BOWMAN, BURLEIGH, CASS, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WILLIAMS.

Sources: 1, 13, 18, 19, 21, 24, 25, 27, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *11*, *7*.

Photographed in VI–IX.

4 (534). *Juniperus virginiana* L., eastern redcedar



Distribution. BILLINGS, BOTTINEAU, CASS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, WARD.

Sources: 1, 17, 26, 29, 39, 4, 41, 42, 43, 5, 7.

Photographed in VI–X.

? *Platycladus orientalis* (L.) Franco, Oriental arborvitae

Biota orientalis, Thuja orientalis

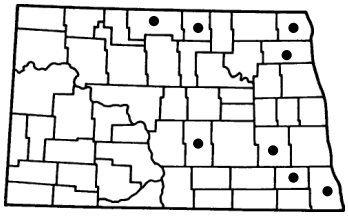
Sources: 38, 5.

? *Thuja occidentalis* L., arborvitae

Sources: 38, 7.

36. Cyperaceae, Sedge family

1 (535). *Carex alopecoidea* Tuck., foxtail sedge



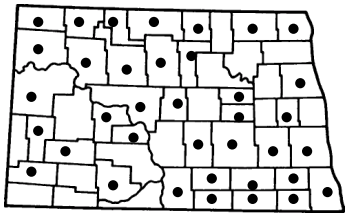
Distribution. BARNES, BOTTINEAU, KIDDER, PEMBINA, RANSOM, RICHLAND, ROLETTE, WALSH.

Sources: 15, 16, 25, 26, 29, 30, 34, 39, 41, 43, 47, 6, 7.

? *Carex annectens* (E.P. Bicknell) E.P. Bicknell, yellowfruit sedge

Sources: 43.

2 (536). *Carex aquatilis* Wahlenb., water sedge

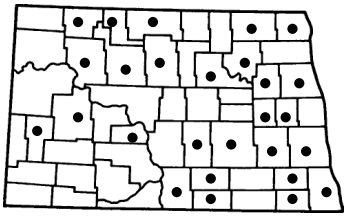


Distribution. BARNES, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *32*.

Photographed in VI.

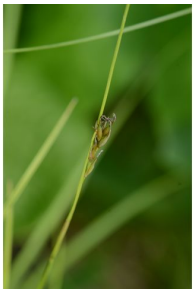
3 (537). *Carex assiniboinensis* W. Boott, Assiniboia sedge



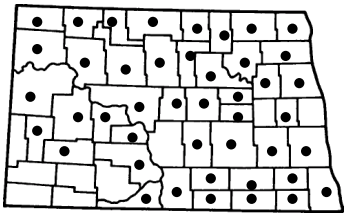
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DUNN, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, STEELE, STUTSMAN, WARD.

Sources: 1, 13, 14, 17, 18, 21, 29, 3, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, *11*, *17*, *25*, *26*, *27*, *28*, *30*.

Photographed in VII–VIII.



4 (538). *Carex atherodes* Spreng., wheat sedge

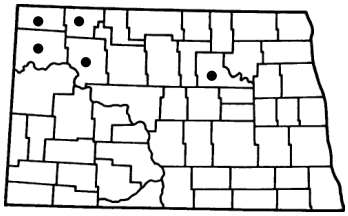


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9.

Photographed in VI–IX.

5 (539). *Carex athrostachya* Olney, slenderbeak sedge



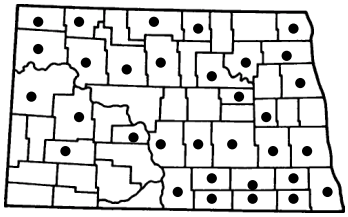
Distribution. BENSON, BURKE, DIVIDE, MOUNTRAIL, WILLIAMS.

Sources: 13, 15, 18, 27, 29, 33, 34, 35, 39, 4, 41, 43, 47, 5, 6, *16*.

? *Carex atlantica* L.H. Bailey, prickly bog sedge

Sources: 5.

6 (540). *Carex aurea* Nutt., golden sedge

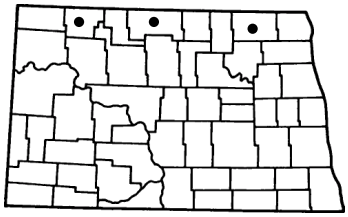


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 8.

Photographed in VI.

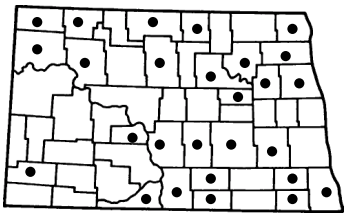
7 (541). *Carex backii* Boott, Back's sedge



Distribution. BOTTINEAU, BURKE, CAVALIER.

Sources: 29, 3, 33, 34, 35, 39, 41, 43, 47, 5.

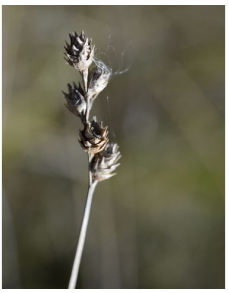
8 (542). *Carex bebbii* Olney ex Fernald, Bebb's sedge

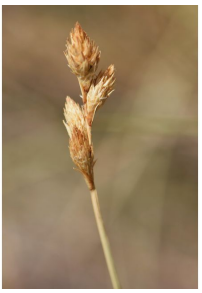


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, DIVIDE, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STUTSMAN, WALSH, WILLIAMS.

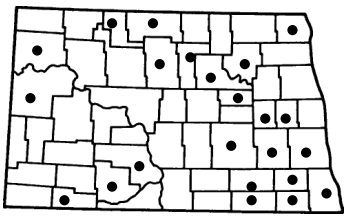
Sources: 1, 10, 11, 13, 14, 15, 16, 18, 19, 21, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8.

Photographed in VI–IX.





9 (543). *Carex bicknellii* Britton, Bicknell's sedge

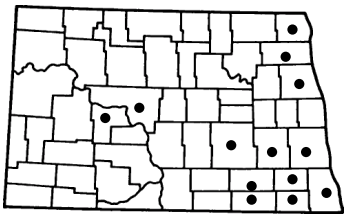


Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, CASS, DICKEY, EDDY, GRANT, GRIGGS, LAMOURE, MCHENRY, MCKENZIE, MORTON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, STEELE, STUTSMAN, WILLIAMS.

Sources: 1, 11, 15, 16, 2, 25, 26, 27, 29, 3, 39, 4, 41, 43, 45, 47, 5.

Photographed in VII.

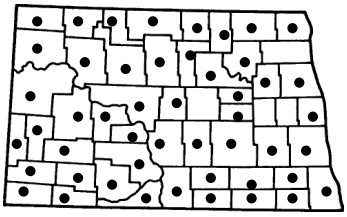
10 (544). *Carex blanda* Dewey, eastern woodland sedge



Distribution. BARNES, CASS, DICKEY, GRAND FORKS, LAMOURE, MCLEAN, MERCER, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH.

Sources: 1, 11, 14, 2, 26, 27, 29, 39, 41, 43, 45, 47, 5, 6.

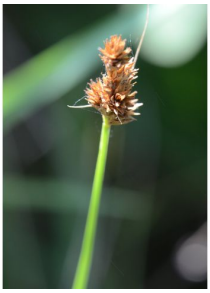
11 (545). *Carex brevior* (Dewey) Mack., shortbeak sedge



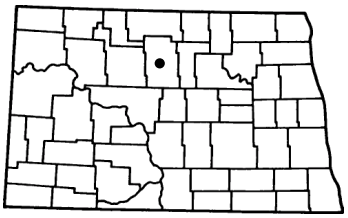
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *6*.

Photographed in VI–VIII.



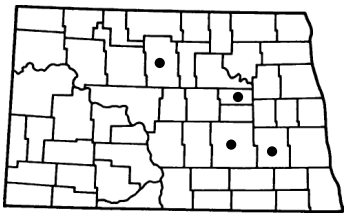
12 (546). *Carex brunnescens* (Pers.) Poir., brownish sedge



Distribution. MCHENRY.

Sources: 16, 29, 34, 35, 41, 43.

13 (547). *Carex buxbaumii* Wahlenb., Buxbaum's sedge

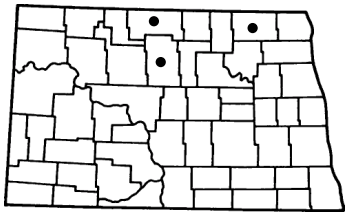


Distribution. BARNES, EDDY, MCHENRY, STUTSMAN.

Sources: 15, 16, 29, 34, 35, 39, 41, 43, 47, 5, 6, 7, 8.

14 (548). *Carex capillaris* L., hair-like sedge

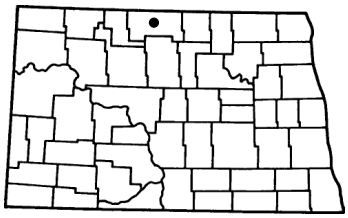
Carex boecheriana



Distribution. BOTTINEAU, CAVALIER, MCHENRY.

Sources: 15, 16, 28, 29, 34, 35, 39, 41, 43, 47, 5, 7.

15 (549). *Carex chordorrhiza* Ehrh. ex L. f., creeping sedge



Distribution. BOTTINEAU.

Sources: 16, 29, 34, 35, 39, 4, 41, 43, 7.

Photographed in VIII.

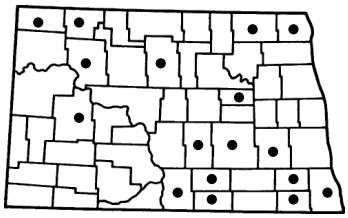
? *Carex conjuncta* Boott, soft fox sedge

Sources: 14.

? *Carex conoidea* Schkuhr ex Willd., openfield sedge

Sources: 20.

16 (550). *Carex crawei* Dewey, Crawe's sedge

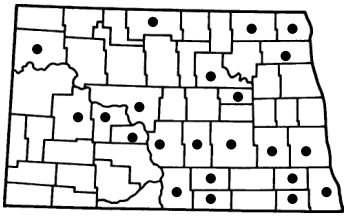


Distribution. BARNES, BURKE, CAVALIER, DIVIDE, DUNN, EDDY, EMMONS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 11, 13, 15, 16, 18, 24, 25, 26, 27, 29, 30, 31, 39, 4, 41, 43, 47, 5, 6, 7.

Photographed in VII.

17 (551). *Carex cristatella* Britton, crested sedge

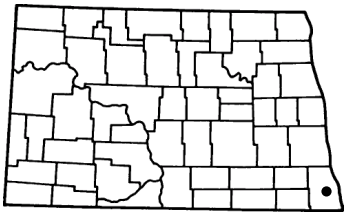


Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DUNN, EDDY, EMMONS, KIDDER, LOGAN, MCINTOSH, MCLEAN, MERCER, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH, WILLIAMS.

Sources: 1, 15, 16, 18, 19, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *11*.

Photographed in VII.

18 (552). *Carex davisii* Schwein. & Torr., Davis' sedge



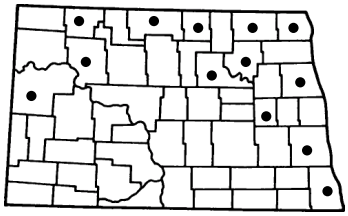
Distribution. RICHLAND.

Sources: 25, 26, 29, 33, 41, 43, *1*.

? *Carex deflexa* Hornem., northern sedge

Sources: 29.

19 (553). *Carex deweyana* Schwein., Dewey sedge

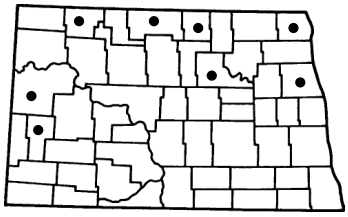


Distribution. BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, GRAND FORKS, GRIGGS, MCKENZIE, MOUNTRAIL, PEMBINA, RAMSEY, RICHLAND, ROLETTE.

Sources: 1, 13, 14, 18, 21, 24, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 43, 47, 5, 6, 7, *5*.

Photographed in VIII.

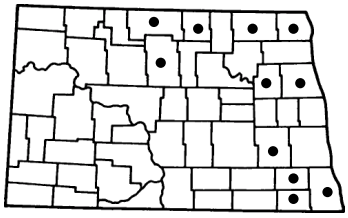
20 (554). *Carex diandra* Schrank, lesser panicled sedge



Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, GRAND FORKS, MCKENZIE, PEMBINA, ROLETTE.

Sources: 13, 14, 15, 16, 27, 28, 29, 3, 30, 33, 34, 35, 39, 41, 43, 47, 5, 6.

21 (555). *Carex disperma* Dewey, softleaf sedge



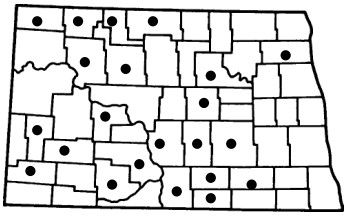
Distribution. BARNES, BOTTINEAU, CAVALIER, GRAND FORKS, MCHENRY, NELSON, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT.

Sources: 1, 11, 15, 16, 26, 28, 29, 30, 34, 35, 39, 41, 42, 43, 45, 47, 5, 7.

? *Carex divisa* Huds., separated sedge

Sources: *7*.

22 (556). *Carex douglasii* Boott, Douglas' sedge

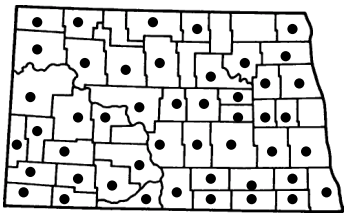


Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, DIVIDE, EMMONS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MERCER, MORTON, MOUNTRAIL, RENVILLE, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS.

Sources: 1, 11, 13, 17, 18, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, *44*.

23 (557). *Carex duriuscula* C.A. Mey., needleleaf sedge

Carex eleocharis, Carex stenophylla

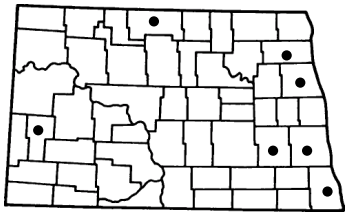


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 12, 14, 29, 39, 4, 42, 43, 44, 45, 47, 5, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *3*, *41*, *43*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in V–VI.

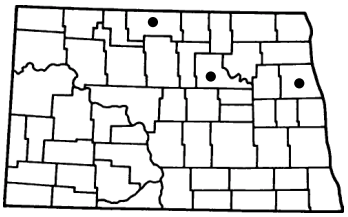
24 (558). *Carex eburnea* Boott, bristleleaf sedge



Distribution. BARNES, BILLINGS, BOTTINEAU, CASS, GRAND FORKS, RICHLAND, WALSH.

Sources: 1, 11, 14, 25, 26, 27, 28, 29, 39, 41, 43, 45, 47, 5, 6, *32*.

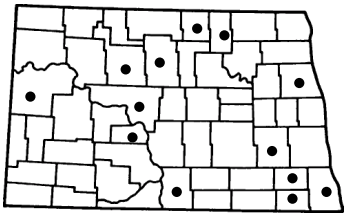
25 (559). *Carex echinata* Murray, star sedge



Distribution. BENSON, BOTTINEAU, GRAND FORKS.

Sources: 14, 29, 34, 39, 41, 43, 45, 47.

26 (560). *Carex emoryi* Dewey, Emory's sedge

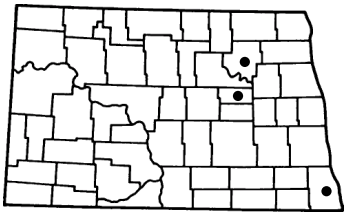


Distribution. BARNES, EMMONS, GRAND FORKS, MCHENRY, MCKENZIE, MCLEAN, OLIVER, RANSOM, RICHLAND, ROLETTE, SARGENT, TOWNER, WARD.

Sources: 1, 15, 16, 17, 18, 26, 27, 29, 31, 39, 4, 41, 43, 44, 47, 5, 7.

Photographed in V.

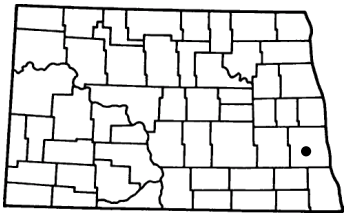
27 (561). *Carex exserta* Mack., shorthair sedge



Distribution. EDDY, RAMSEY, RICHLAND.

Sources: 5.

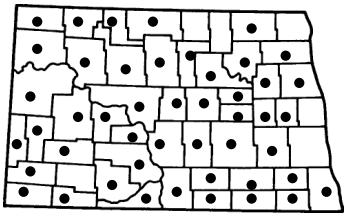
28 (562). *Carex festucacea* Schkuhr ex Willd., fescue sedge



Distribution. CASS.

Sources: 3, 39, 43.

29 (563). *Carex filifolia* Nutt., threadleaf sedge

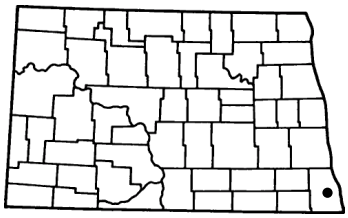


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*.

Photographed in V–X.

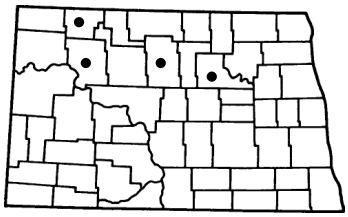
30 (564). *Carex formosa* Dewey, handsome sedge



Distribution. RICHLAND.

Sources: 29, 34, 35, 39, 41, 43, 47, 5.

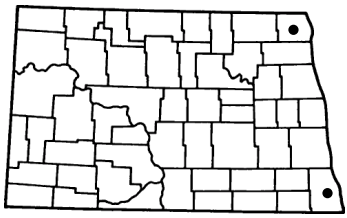
31 (565). *Carex garberi* Fernald, elk sedge



Distribution. BENSON, BURKE, MCHENRY, MOUNTRAIL.

Sources: 13, 15, 16, 29, 33, 34, 35, 39, 4, 41, 43, 47, 5, 7.

32 (566). *Carex gracillima* Schwein., graceful sedge

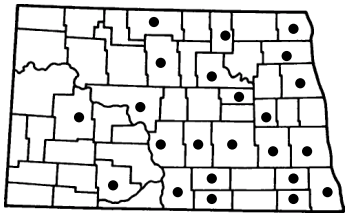


Distribution. PEMBINA, RICHLAND.

Sources: 27, 29, 34, 39, 41, 42, 43, 47, 5.

33 (567). *Carex granularis* Muhl. ex Willd., limestone meadow sedge

Carex haleana, Carex rectior, Carex shriveri

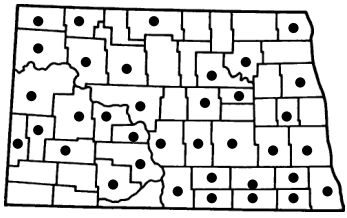


Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, TOWNER, WALSH.

Sources: 1, 11, 14, 15, 16, 18, 24, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, *8*.

Photographed in VI–VII.

34 (568). *Carex gravida* L.H. Bailey, heavy sedge

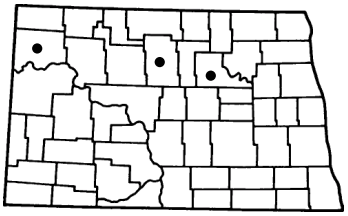


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, *32*, *5*.

35 (569). *Carex gynocrates* Wormsk. ex Drejer, northern bog sedge

Carex parallela

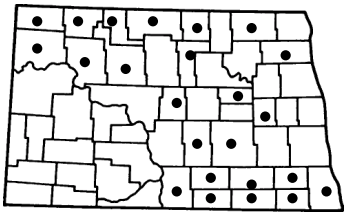


Distribution. BENSON, MCHENRY, WILLIAMS.

Sources: 16, 29, 34, 35, 39, 4, 41, 43, 47.

36 (570). *Carex hallii* Olney, deer sedge

Carex montereyensis



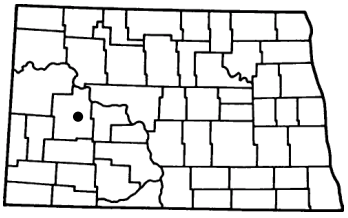
Distribution. BOTTINEAU, BURKE, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MOUNTRAIL, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 13, 15, 16, 19, 25, 26, 28, 29, 31, 39, 4, 43, 44, 47, 5, 6, 7, 8.

Photographed in VI–VII.

37 (571). *Carex haydenii* Dewey, Hayden's sedge

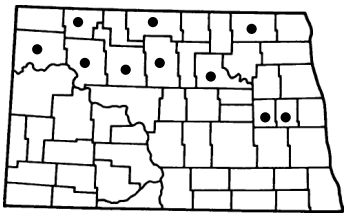
Carex rousseaui



Distribution. DUNN.

Sources: 15, 16, 29, 34, 35, 39, 41, 43, 47.

38 (572). *Carex hookeriana* Dewey, Hooker's sedge



Distribution. BENSON, BOTTINEAU, BURKE, CAVALIER, GRIGGS, MCHENRY, MOUNTRAIL, STEELE, WARD, WILLIAMS.

Sources: 18, 29, 39, 4, 43, 45, 47, 5, *13*, *15*, *16*, *27*, *28*, *41*.

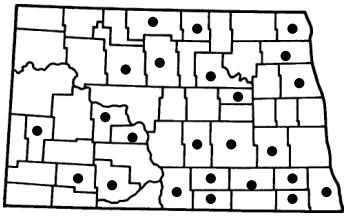
Photographed in V–VI.

? *Carex houghtoniana* Torr. ex Dewey, Houghton's sedge

Carex houghtonii

Sources: *7*.

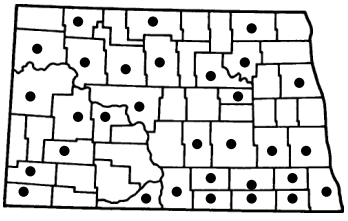
39 (573). *Carex hystericina* Muhl. ex Willd., bottlebrush sedge



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, EDDY, EMMONS, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MERCER, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH, WARD.

Sources: 1, 14, 15, 16, 18, 19, 26, 29, 3, 31, 39, 4, 41, 43, 45, 5, 7, 8, *11*, *17*, *25*, *27*, *28*, *30*, *6*, *7*.

40 (574). *Carex inops* L.H. Bailey, long-stolon sedge

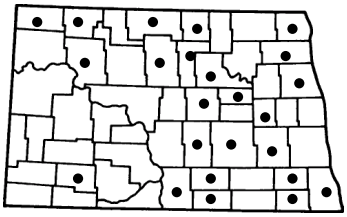


Distribution. BARNES, BENSON, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 12, 18, 29, 39, 4, 41, 42, 43, 44, 45, 47, 5, *11*, *19*, *1*, *21*, *24*, *26*, *2*, *31*, *43*, *45*, *7*, *8*.

Photographed in VI.

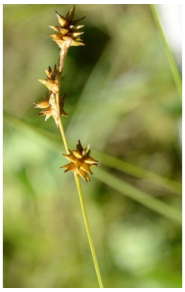
41 (575). *Carex interior* L.H. Bailey, inland sedge



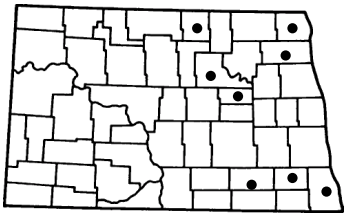
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH, WELLS.

Sources: 1, 11, 13, 15, 16, 18, 19, 25, 26, 27, 28, 29, 30, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8.

Photographed in VII–VIII.



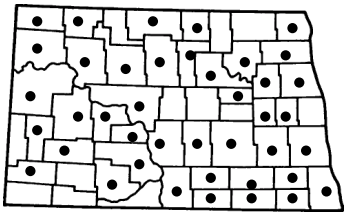
42 (576). *Carex lacustris* Willd., hairy sedge



Distribution. BENSON, EDDY, LAMOURE, PEMBINA, RANSOM, RICHLAND, ROLETTE, WALSH.

Sources: 1, 15, 16, 19, 25, 26, 29, 39, 41, 43, 44, 47, 5, 6, 7, 8.

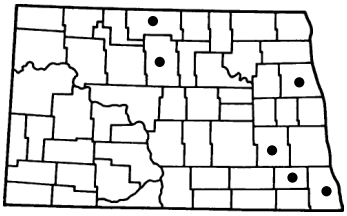
43 (577). *Carex laeviconica* Dewey, smoothcone sedge



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, 9.

44 (578). *Carex lasiocarpa* Ehrh., woollyfruit sedge



Distribution. BARNES, BOTTINEAU, GRAND FORKS, MCHENRY, RANSOM, RICHLAND.

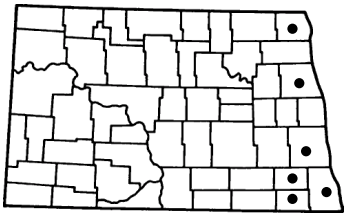
Sources: 16, 29, 34, 39, 4, 43, 45, 5, 7.

Photographed in VII.

? *Carex laxiculmis* Schwein., spreading sedge

Sources: 45.

45 (579). *Carex laxiflora* Lam., broad looseflower sedge

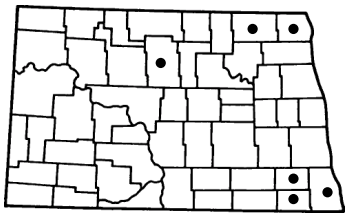


Distribution. CASS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 25, 3, 30, 4, 45, 7.

Photographed in VII.

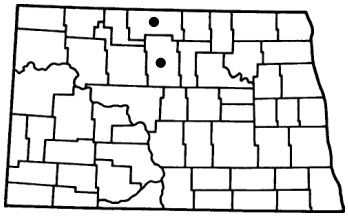
46 (580). *Carex leptalea* Wahlenb., bristlystalked sedge



Distribution. CAVALIER, MCHENRY, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 15, 16, 26, 27, 29, 3, 30, 34, 35, 39, 41, 43, 45, 47, 5, 6, 7.

47 (581). *Carex limosa* L., mud sedge



Distribution. BOTTINEAU, MCHENRY.

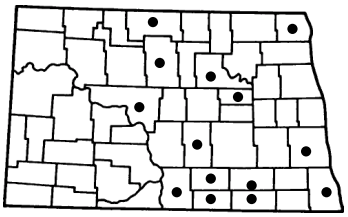
Sources: 15, 16, 29, 34, 35, 39, 4, 41, 43, 47, 6, 7.

Photographed in VII–VIII.

? *Carex marina* Dewey, sea sedge

Sources: 7.

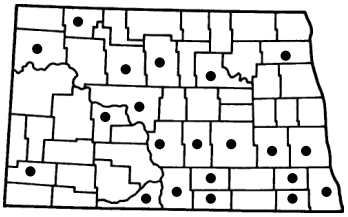
48 (582). *Carex meadii* Dewey, Mead's sedge



Distribution. BENSON, BOTTINEAU, CASS, DICKEY, EDDY, EMMONS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, PEMBINA, RICHLAND.

Sources: 1, 15, 16, 19, 2, 25, 26, 29, 30, 31, 39, 41, 43, 45, 47, 5, 8.

49 (583). *Carex molesta* Mack. ex Bright, troublesome sedge



Distribution. BARNES, BENSON, BURKE, BURLEIGH, CASS, EMMONS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STUTSMAN, WALSH, WARD, WILLIAMS.

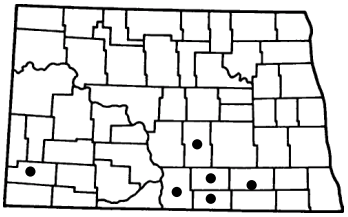
Sources: 1, 11, 15, 17, 26, 29, 31, 39, 4, 41, 43, 45, 47, 5.

? *Carex muricata* L., rough sedge

Carex pairaei, Carex stellulata

Sources: 35.

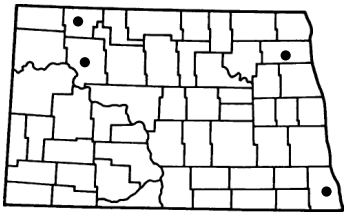
50 (584). *Carex nebrascensis* Dewey, Nebraska sedge



Distribution. EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, SLOPE.

Sources: 29, 34, 39, 43, 47, *15*, *16*, *1*, *31*, *33*, *35*, *41*, *5*.

51 (585). *Carex nigromarginata* Schwein., black edge sedge



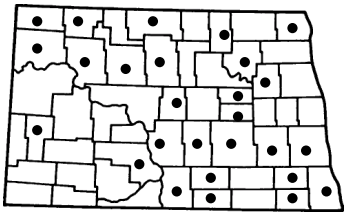
Distribution. BURKE, MOUNTRAIL, RICHLAND, WALSH.

Sources: 13, 25, 7.

? *Carex normalis* Mack., greater straw sedge

Sources: 7.

52 (586). *Carex obtusata* Lilj., obtuse sedge

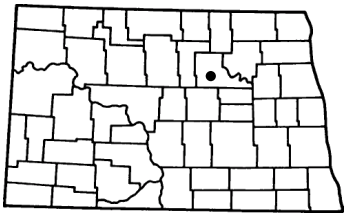


Distribution. BARNES, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DIVIDE, EDDY, EMMONS, FOSTER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MORTON, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, STUTSMAN, TOWNER, WARD, WILLIAMS.

Sources: 1, 11, 13, 17, 19, 21, 25, 26, 27, 28, 29, 30, 31, 39, 4, 41, 43, 44, 45, 47, 5, 6, 8, 9, *5*.

53 (587). *Carex occidentalis* L.H. Bailey, western sedge

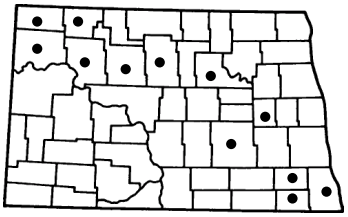
Carex neomexicana



Distribution. BENSON.

Sources: 39, 43, 47.

54 (588). *Carex parryana* Dewey, Parry's sedge



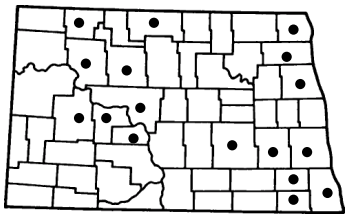
Distribution. BENSON, BURKE, DIVIDE, GRIGGS, MCHENRY, MOUNTRAIL, RANSOM, RICHLAND, SARGENT, STUTSMAN, WARD, WILLIAMS.

Sources: 11, 13, 17, 18, 25, 26, 29, 34, 39, 4, 41, 43, 45, 7.

Photographed in VI.

55 (589). *Carex peckii* Howe, Peck's sedge

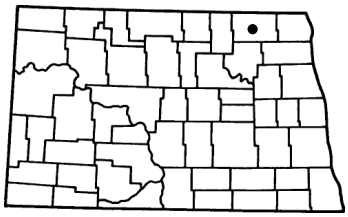
Carex albicans



Distribution. BARNES, BOTTINEAU, BURKE, CASS, DUNN, GRAND FORKS, MCLEAN, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH, WARD.

Sources: 1, 11, 14, 17, 24, 26, 28, 29, 39, 4, 41, 43, 47, 5, 6, 7.

56 (590). *Carex pedunculata* Muhl. ex Willd., longstalk sedge

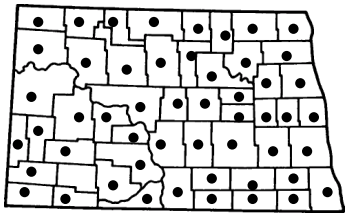


Distribution. CAVALIER.

Sources: 29, 34, 35, 39, 43, 5, *41*.

57 (591). *Carex pellita* Muhl. ex Willd., woolly sedge

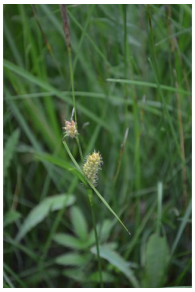
Carex lanuginosa

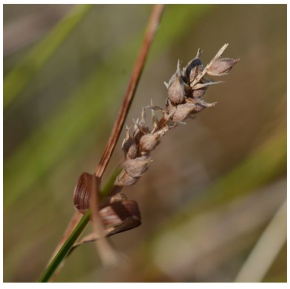


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 12, 29, 39, 4, 41, 42, 43, 44, 47, 5, *11*, *13*, *15*, *16*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

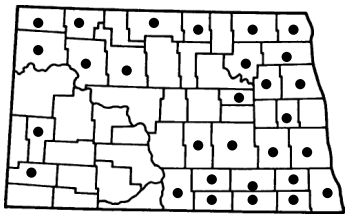
Photographed in V–X.





58 (592). *Carex pensylvanica* Lam., Pennsylvania sedge

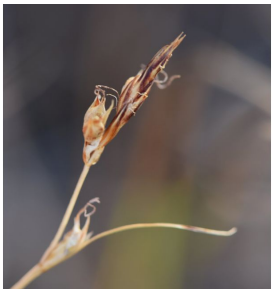
Carex marginata



Distribution. BARNES, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

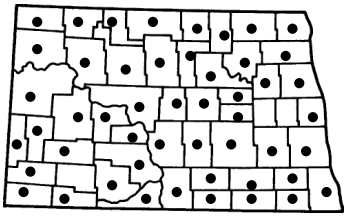
Sources: 1, 11, 13, 14, 18, 2, 21, 25, 26, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, *17*, *27*, *5*, *7*, *9*.

Photographed in VI–VIII.



59 (593). *Carex praegracilis* W. Boott, clustered field sedge

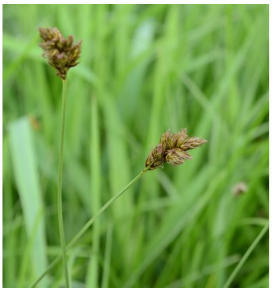
Carex camporum



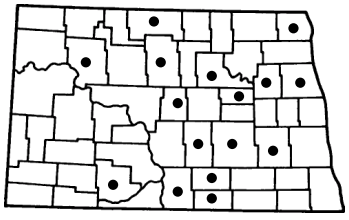
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 14, 15, 16, 17, 18, 19, 2, 21, 24, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *13*, *25*, *5*.

Photographed in VI–VII.



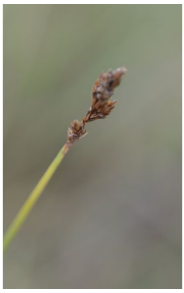
60 (594). *Carex prairea* Dewey ex Alph. Wood, prairie sedge



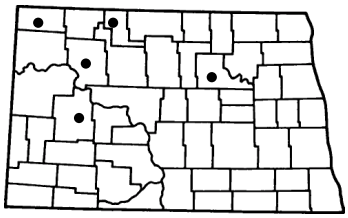
Distribution. BARNES, BENSON, BOTTINEAU, EDDY, EMMONS, GRAND FORKS, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, PEMBINA, SHERIDAN, STUTSMAN.

Sources: 16, 19, 28, 29, 30, 39, 4, 41, 47, 5, 7, 8, *11*, *15*, *1*, *31*, *33*, *5*, *6*.

Photographed in VII.



61 (595). *Carex praticola* Rydb., meadow sedge

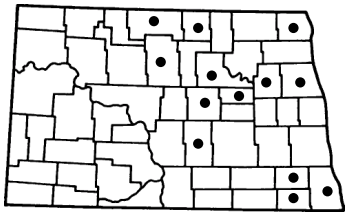


Distribution. BENSON, DIVIDE, DUNN, MOUNTRAIL, RENVILLE.

Sources: 13, 18, 24, 29, 39, 4, 41, 43, 47, 5, 7.

Photographed in VII.

62 (596). *Carex pseudocyperus* L., cypress-like sedge



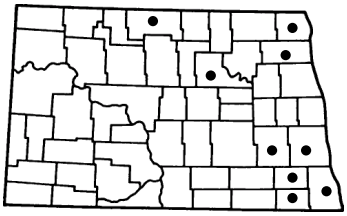
Distribution. BENSON, BOTTINEAU, EDDY, GRAND FORKS, KIDDER, MCHENRY, NELSON, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, WELLS.

Sources: 14, 29, 3, 34, 35, 39, 4, 43, 5, 7, 9, *15*, *16*, *26*, *27*, *28*, *31*, *33*, *41*, *5*, *6*, *7*, *8*.

Photographed in VII.

63 (597). *Carex radiata* (Wahlenb.) Small, eastern star sedge

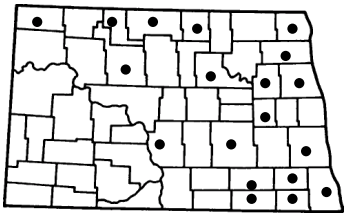
Carex sylvicola



Distribution. BARNES, BENSON, BOTTINEAU, CASS, PEMBINA, RANSOM, RICHLAND, SARGENT, WALSH.

Sources: 29, 39, 41, 47.

64 (598). *Carex retrorsa* Schwein., knotsheath sedge

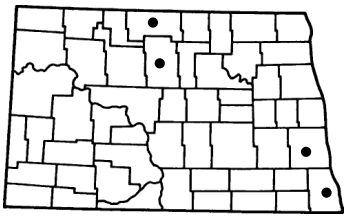


Distribution. BENSON, BOTTINEAU, BURLEIGH, CASS, DICKEY, DIVIDE, GRAND FORKS, GRIGGS, LAMOURE, NELSON, PEMBINA, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH, WARD.

Sources: 1, 11, 14, 15, 17, 18, 2, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 43, 45, 5, 6, 7, *7*.

Photographed in VII–VIII.

65 (599). *Carex richardsonii* R. Br., Richardson's sedge

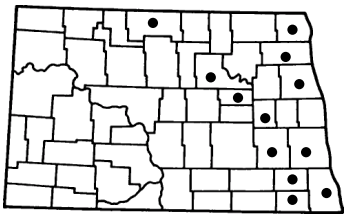


Distribution. BOTTINEAU, CASS, MCHENRY, RICHLAND.

Sources: 28, 29, 33, 34, 35, 39, 41, 43, 47, 5, *5*.

66 (600). *Carex rosea* Schkuhr ex Willd., rosy sedge

Carex convoluta

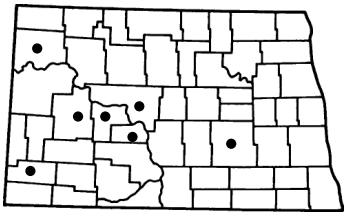


Distribution. BARNES, BENSON, BOTTINEAU, CASS, EDDY, GRAND FORKS, GRIGGS, PEMBINA, RANSOM, RICHLAND, SARGENT, WALSH.

Sources: 1, 11, 14, 18, 25, 26, 27, 28, 29, 3, 30, 39, 41, 43, 44, 45, 5, 6, 7, *35*, *5*, *7*.

67 (601). *Carex rossii* Boott, Ross' sedge

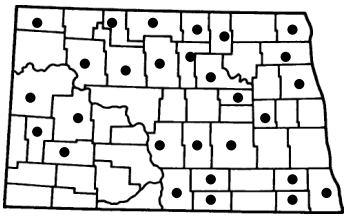
Carex brevipes, Carex diversistylis



Distribution. DUNN, MCLEAN, MERCER, OLIVER, SLOPE, STUTSMAN, WILLIAMS.

Sources: 13, 24, 29, 33, 39, 4, 41, 43, 5.

68 (602). *Carex rostrata* Stokes, beaked sedge

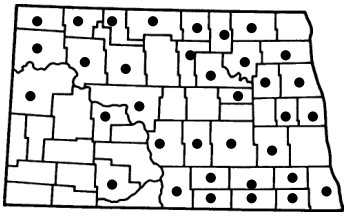


Distribution. BENSON, BILLINGS, BOTTINEAU, BURLEIGH, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MOUNTRAIL, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STARK, STUTSMAN, TOWNER, WALSH, WARD.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 24, 25, 26, 27, 28, 30, 31, 32, 4, 42, 43, 45, 5, 6, 7, 8.

Photographed in X.

69 (603). *Carex sartwellii* Dewey, Sartwell's sedge

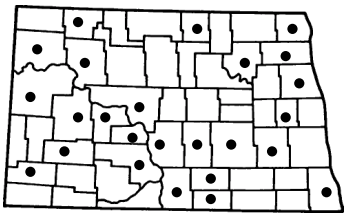


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 18, 19, 2, 21, 25, 26, 27, 29, 3, 31, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, 9, *43*.

Photographed in V–VIII.

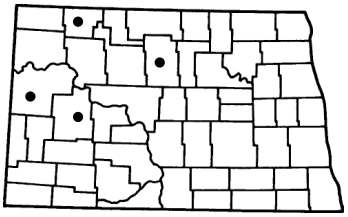
70 (604). *Carex saximontana* Mack., Rocky Mountain sedge



Distribution. BARNES, BURKE, BURLEIGH, DUNN, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RICHLAND, ROLETTE, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 21, 24, 25, 26, 27, 29, 30, 31, 32, 39, 4, 41, 43, 45, 47, 5, 7, *5*.

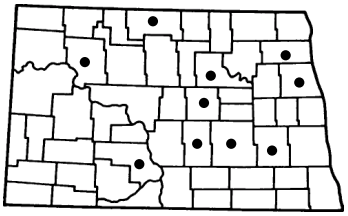
71 (605). *Carex scirpoidea* Michx., northern singlespike sedge



Distribution. BURKE, DUNN, MCHENRY, MCKENZIE.

Sources: 18, 29, 34, 35, 39, 43, 47, 5, *24*, *27*, *33*, *41*, *5*.

72 (606). *Carex scoparia* Schkuhr ex Willd., broom sedge



Distribution. BARNES, BENSON, BOTTINEAU, GRAND FORKS, KIDDER, MORTON, MOUNTRAIL, STUTSMAN, WALSH, WELLS.

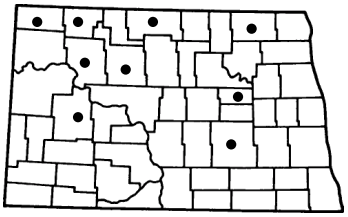
Sources: 1, 11, 13, 14, 15, 27, 28, 29, 3, 34, 39, 41, 43, 5, 7, *16*.

? *Carex senta* Boott, swamp carex

Sources: *17*.

73 (607). *Carex siccata* Dewey, dryspike sedge

Carex aenea

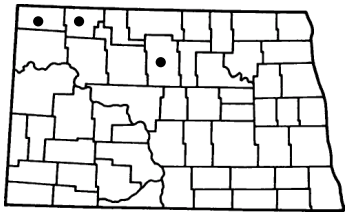


Distribution. BOTTINEAU, BURKE, CAVALIER, DIVIDE, DUNN, EDDY, MOUNTRAIL, STUTSMAN, WARD.

Sources: 29, 4, 47, 5, *13*, *17*, *1*, *24*, *28*, *35*, *39*, *41*, *5*.

Photographed in VII.

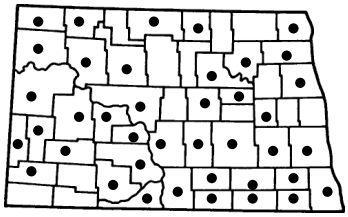
74 (608). *Carex simulata* Mack., analogue sedge



Distribution. BURKE, DIVIDE, MCHENRY.

Sources: 16, 29, 34, 35, 41, 43, 7.

75 (609). *Carex sprengelii* Dewey ex Spreng., Sprengel's sedge



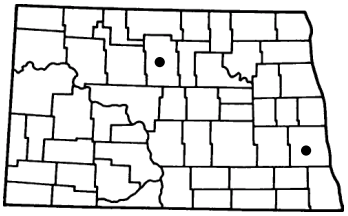
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *25*, *7*.

Photographed in V–VI.

76 (610). *Carex sterilis* Willd., dioecious sedge

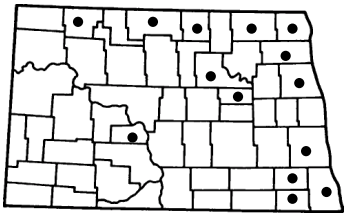
Carex elachycarpa, Carex minganinsularum, Kobresia elachycarpa



Distribution. CASS, MCHENRY.

Sources: 15, 16, 29, 3, 34, 39, 41, 43, 45, 6, 7.

77 (611). *Carex stipata* Muhl. ex Willd., awlfruit sedge



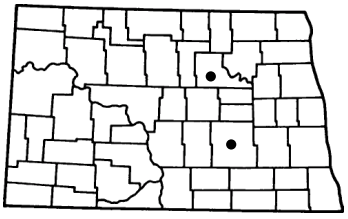
Distribution. BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, EDDY, GRAND FORKS, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, WALSH.

Sources: 1, 13, 14, 15, 16, 18, 19, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 43, 47, 5, 6, 7, 8.

Photographed in VII.

78 (612). *Carex straminea* Willd. ex Schkuhr, eastern straw sedge

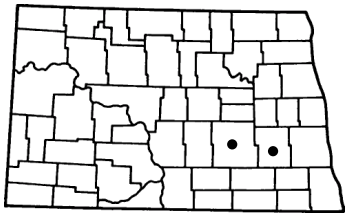
Carex richii



Distribution. BENSON, STUTSMAN.

Sources: 3, 5, 7.

79 (613). *Carex striata* Michx., Walter's sedge

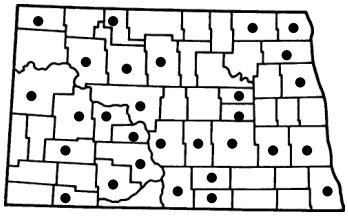


Distribution. BARNES, STUTSMAN.

Sources: 11.

80 (614). *Carex stricta* Lam., upright sedge

Carex strictior



Distribution. ADAMS, BARNES, BURLEIGH, CASS, CAVALIER, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RENVILLE, RICHLAND, STARK, STUTSMAN, WALSH, WARD.

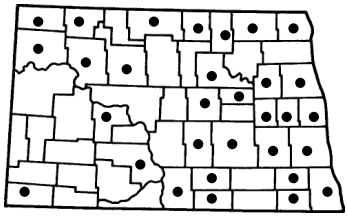
Sources: 1, 13, 15, 16, 19, 24, 25, 26, 29, 31, 39, 4, 41, 43, 45, 47, 5, 7, 8.

Photographed in VII.

? *Carex supina* Willd. ex Wahlenb., weak arctic sedge

Sources: 5.

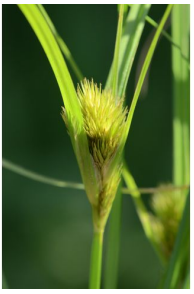
81 (615). *Carex sychnocephala* Carey, manyhead sedge



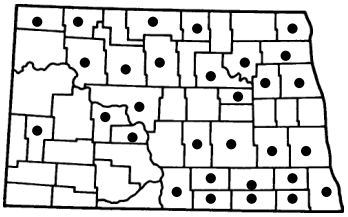
Distribution. BARNES, BENSON, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCINTOSH, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 15, 16, 18, 25, 26, 29, 3, 30, 31, 39, 4, 43, 44, 45, 47, 5, 7, 8, *13*, *17*, *19*, *27*, *28*.

Photographed in VII–VIII.



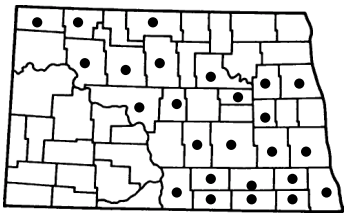
82 (616). *Carex tenera* Dewey, quill sedge



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, DICKEY, DIVIDE, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH, WARD.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 43, 45, 47, 5, 7, 8, *39*, *3*.

83 (617). *Carex tetanica* Schkuhr, rigid sedge

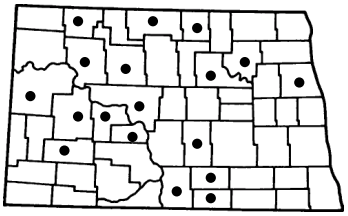


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DICKEY, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, NELSON, RANSOM, RICHLAND, SARGENT, SHERIDAN, STUTSMAN, WARD.

Sources: 1, 11, 13, 14, 15, 16, 18, 19, 2, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, 9.

84 (618). *Carex torreyi* Tuck., Torrey's sedge

Carex abbreviata

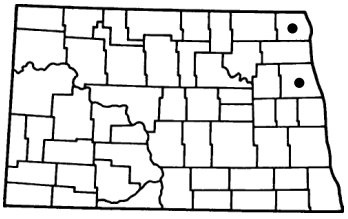


Distribution. BENSON, BOTTINEAU, BURKE, DUNN, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, RAMSEY, ROLETTE, STARK, WARD.

Sources: 1, 13, 14, 17, 21, 24, 27, 28, 29, 31, 39, 4, 41, 43, 45, 47, 5, 7, *18*.

Photographed in VI.

85 (619). *Carex tribuloides* Wahlenb., blunt broom sedge



Distribution. GRAND FORKS, PEMBINA.

Sources: 18, 4, 43, *18*.

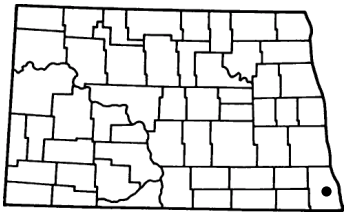
Photographed in VII.

? *Carex trichocarpa* Muhl. ex Willd., hairyfruit sedge

Sources: 3.

86 (620). *Carex umbellata* Schkuhr ex Willd., parasol sedge

Carex abdita

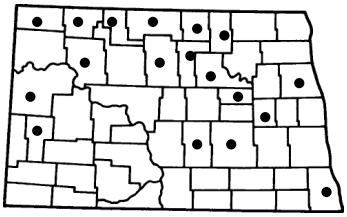


Distribution. RICHLAND.

Sources: 7.

87 (621). *Carex utriculata* Boott, Northwest Territory sedge

Carex rhynchophysa



Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, DIVIDE, EDDY, GRAND FORKS, GRIGGS, KIDDER, MCHENRY, MCKENZIE, MOUNTRAIL, PIERCE, RENVILLE, RICHLAND, ROLETTE, STUTSMAN, TOWNER.

Sources: 29, 3, 39, 4, 41, 43, 45, 7.

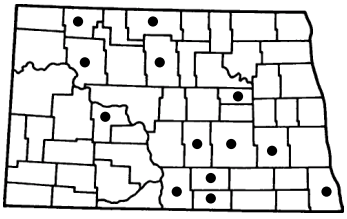
Photographed in VI–VII.

† *Carex vesicaria* L., blister sedge

Carex monile, Carex raeana

Sources: 29, 39.

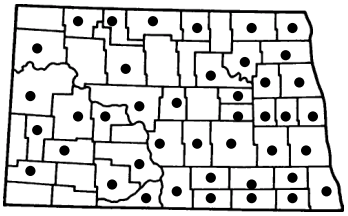
88 (622). *Carex viridula* Michx., little green sedge



Distribution. BARNES, BOTTINEAU, BURKE, EDDY, EMMONS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MERCER, MOUNTRAIL, RICHLAND, STUTSMAN.

Sources: 1, 11, 13, 15, 16, 18, 19, 27, 28, 29, 31, 39, 4, 41, 43, 45, 47, 5, 6, 8, *3*, *45*.

89 (623). *Carex vulpinoidea* Michx., fox sedge

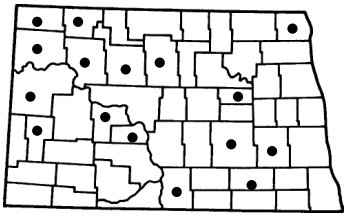


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, NELSON, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, 9.

Photographed in VII.

90 (624). *Carex xerantica* L.H. Bailey, whitescale sedge



Distribution. BARNES, BILLINGS, BURKE, DIVIDE, EDDY, EMMONS, LAMOURE, MCHENRY, MCKENZIE, MERCER, MOUNTRAIL, OLIVER, PEMBINA, STUTSMAN, WARD, WILLIAMS.

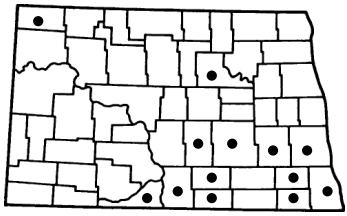
Sources: 1, 11, 13, 18, 19, 27, 29, 3, 30, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8.

Photographed in VI.

? *Carex* ×*subimpressa* Clokey

Sources: 14.

91 (625). *Cyperus acuminatus* Torr. & Hook. ex Torr., tapertip flatsedge

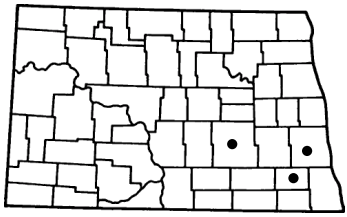


Distribution. BARNES, BENSON, CASS, DIVIDE, EMMONS, KIDDER, LOGAN, MCINTOSH, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN.

Sources: 1, 11, 13, 15, 16, 18, 25, 26, 27, 29, 3, 39, 41, 43, 45, 47, 5, 6, 7, *31*.

92 (626). *Cyperus bipartitus* Torr., slender flatsedge

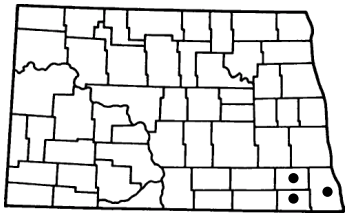
Cyperus rivularis, Pycreus rivularis



Distribution. CASS, RANSOM, STUTSMAN.

Sources: 16, 29, 34, 39, 41, 43, 45, 47, *11*, *15*, *18*, *1*, *25*, *26*, *27*, *33*, *35*.

93 (627). *Cyperus diandrus* Torr., umbrella flatsedge

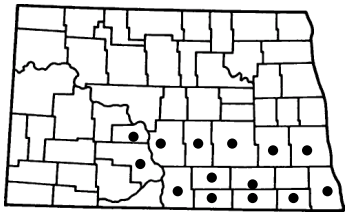


Distribution. RANSOM, RICHLAND, SARGENT.

Sources: 1, 15, 16, 26, 29, 34, 35, 39, 41, 43.

94 (628). *Cyperus erythrorhizos* Muhl., redroot flatsedge

Cyperus halei



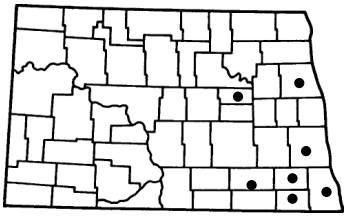
Distribution. BARNES, BURLEIGH, CASS, DICKEY, EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, OLIVER, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 11, 15, 16, 18, 2, 26, 27, 29, 31, 39, 4, 41, 43, 45, 47, 5, 6, *25*, *7*.

Photographed in VII–VIII.

95 (629). *Cyperus esculentus* L., yellow nutsedge

Cyperus esculentus, Cyperus nuttallii, Cyperus nieuwlandii, Cyperus albomarginatus, Cyperus sabulosus, Cyperus vahlii

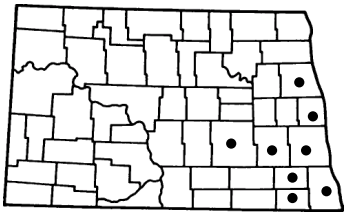


Distribution. CASS, EDDY, GRAND FORKS, LAMOURE, RANSOM, RICHLAND, SARGENT. Introduced.

Sources: 1, 15, 16, 19, 25, 26, 27, 29, 39, 41, 43, 45, 47, 5, 8.

96 (630). *Cyperus odoratus* L., fragrant flatsedge

Cyperus acicularis, Cyperus eggersii, Cyperus engelmannii, Cyperus longispicatus, Cyperus macrocephalus, Cyperus speciosus, Mariscus huarmensis, Torulinium eggersii, Torulinium odoratum



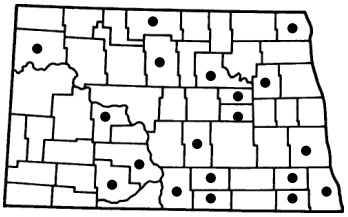
Distribution. BARNES, CASS, GRAND FORKS, RANSOM, RICHLAND, SARGENT, STUTSMAN, TRAILL.

Sources: 16, 26, 29, 3, 39, 4, 41, 43, 5, *11*, *15*, *16*, *1*, *27*, *35*, *5*, *6*, *7*.

Photographed in VII–VIII.

97 (631). *Cyperus schweinitzii* Torr., Schweinitz's flatsedge

Cyperus mesochoreus, Mariscus schweinitzii

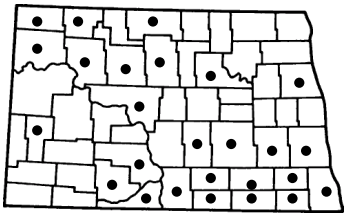


Distribution. BENSON, BOTTINEAU, CASS, EDDY, EMMONS, FOSTER, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MERCER, MORTON, NELSON, PEMBINA, RANSOM, RICHLAND, SARGENT, WILLIAMS.

Sources: 1, 18, 25, 26, 27, 28, 29, 3, 30, 31, 39, 41, 43, 44, 45, 5, 6, 8, 9, *13*, *41*, *7*.

98 (632). *Cyperus squarrosus* L., bearded flatsedge

Cyperus aristatus

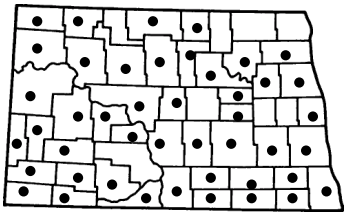


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, DICKEY, DIVIDE, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MORTON, MOUNTRAIL, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN, WARD, WILLIAMS.

Sources: 29, 3, 39, 4, 41, 43, 45, 47, 5, *11*, *13*, *15*, *16*, *17*, *1*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *6*.

Photographed in VII–IX.

99 (633). *Eleocharis acicularis* (L.) Roem. & Schult., needle spikerush

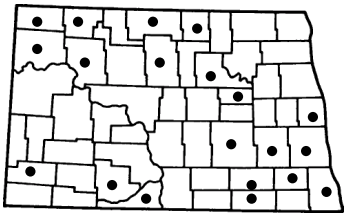


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, *9*.

Photographed in VII–VIII.

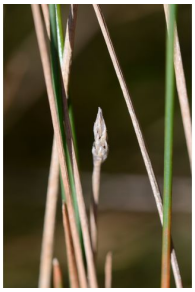
100 (634). *Eleocharis compressa* Sull., flatstem spikerush



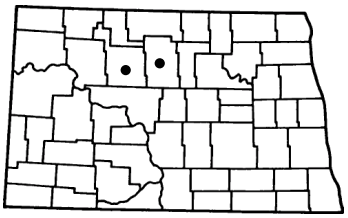
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DICKEY, DIVIDE, EDDY, GRANT, LAMOURE, MCHENRY, MOUNTRAIL, RANSOM, RICHLAND, ROLETTE, SIOUX, SLOPE, STUTSMAN, TRAILL, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 2, 25, 26, 27, 28, 29, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, *18*.

Photographed in VI–IX.



101 (635). *Eleocharis elliptica* Kunth, elliptic spikerush

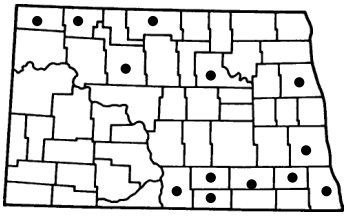


Distribution. MCHENRY, WARD.

Sources: 39, 47.

102 (636). *Eleocharis engelmannii* Steud., Engelmann's spikerush

Eleocharis monticola

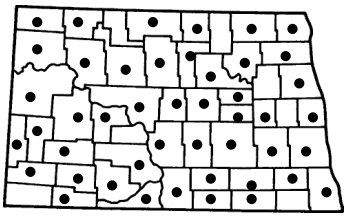


Distribution. BENSON, BOTTINEAU, BURKE, CASS, DIVIDE, EMMONS, GRAND FORKS, LAMOURE, LOGAN, MCINTOSH, RANSOM, RICHLAND, WARD.

Sources: 14, 17, 27, 29, 3, 39, 4, 41, 43, 45, 47, *28*, *43*, *7*.

103 (637). *Eleocharis erythropoda* Steud., bald spikerush

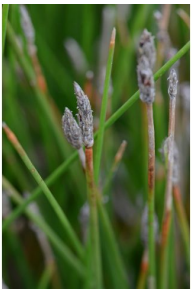
Eleocharis calva, Scirpus glaucus, Eleocharis ambigens



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 12, 13, 14, 15, 16, 19, 2, 21, 24, 25, 26, 29, 30, 31, 4, 41, 43, 44, 45, 47, 5, 6, 8, *11*, *17*, *27*, *28*, *32*, *7*.

Photographed in V–VIII.

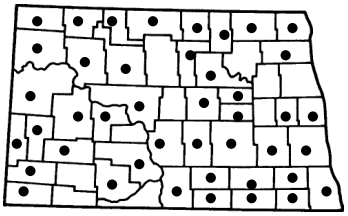


? *Eleocharis flavescens* (Poir.) Urb., yellow spikerush

Sources: 18.

104 (638). *Eleocharis macrostachya* Britton, pale spikerush

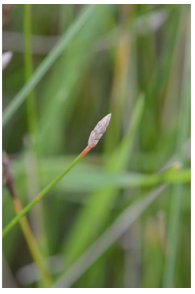
Eleocharis perlonga

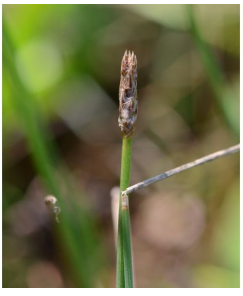


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 15, 16, 18, 19, 2, 24, 26, 29, 3, 31, 4, 41, 43, 45, 47, 5, 6, 7, 8, *16*, *1*.

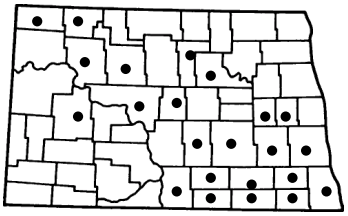
Photographed in VII–X.





105 (639). *Eleocharis obtusa* (Willd.) Schult., blunt spikerush

Scirpus obtusus



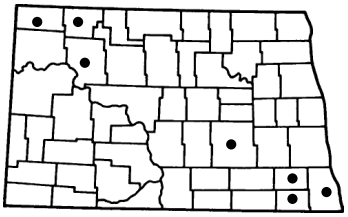
Distribution. BARNES, BENSON, BURKE, CASS, DICKEY, DIVIDE, DUNN, EMMONS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MOUNTRAIL, PIERCE, RANSOM, RICHLAND, SARGENT, SHERIDAN, STEELE, STUTSMAN, WARD.

Sources: 1, 11, 15, 16, 2, 26, 31, 4, 45, 5, 6, *44*.

Photographed in VI.

106 (640). *Eleocharis ovata* (Roth) Roem. & Schult., ovate spikerush

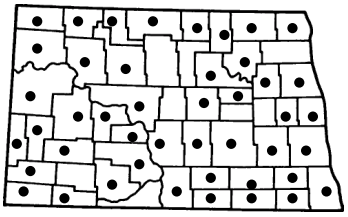
Eleocharis annua, Scirpus ovatus



Distribution. BURKE, DIVIDE, MOUNTRAIL, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 13, 18, 25, 45, 7.

107 (641). *Eleocharis palustris* (L.) Roem. & Schult., common spikerush



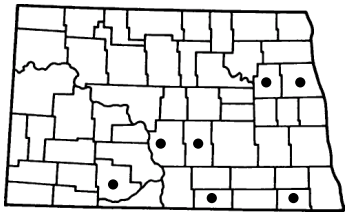
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 13, 14, 17, 21, 25, 27, 28, 29, 30, 32, 39, 4, 41, 42, 43, 45, 47, 5, 7, *11*, *13*, *15*, *16*, *18*, *19*, *1*, *24*, *2*, *31*, *43*, *44*, *6*, *8*, *9*.

Photographed in VI–VII.

108 (642). ***Eleocharis parvula*** **(Roem. & Schult.) Link ex Bluff, Nees & Schauer, dwarf spikerush**

Chaetocyperus membranacea, Eleocharis coloradoensis, Eleocharis leptos, Eleocharis membranacea, Scirpus nanus



Distribution. BURLEIGH, GRAND FORKS, GRANT, KIDDER, MCINTOSH, NELSON, SARGENT.

Sources: 1, 15, 16, 29, 33, 34, 35, 39, 4, 41, 43, 47, 5, *41*.

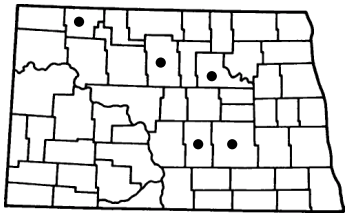
Photographed in VII.

? *Eleocharis quadrangulata* (Michx.) Roem. & Schult., squarestem spikerush

Scirpus quadrangulatus, Eleocharis bernardina

Sources: 18.

109 (643). *Eleocharis quinqueflora* (Hartmann) O. Schwarz, fewflower spikerush

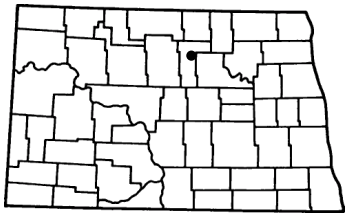


Distribution. BENSON, BURKE, KIDDER, MCHENRY, STUTSMAN.

Sources: 29, 39, 41, 43, 5, *15*, *16*, *27*, *31*, *35*, *5*, *7*.

110 (644). *Eleocharis rostellata* (Torr.) Torr., beaked spikerush

Scirpus rostellatus



Distribution. PIERCE.

Sources: 29, 4, 41.

Photographed in VII.

? *Eleocharis tenuis* (Willd.) Schult., slender spikerush

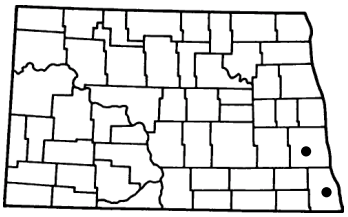
Sources: 7.

† *Eleocharis uniglumis* (Link) Schult., onescale spikerush

Scirpus uniglumis

Sources: 29, 47.

111 (645). *Eleocharis wolfii* (A. Gray) A. Gray ex Britton, Wolf's spikerush

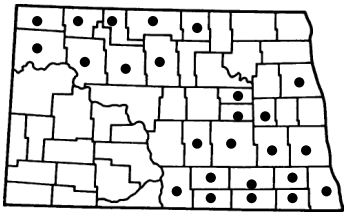


Distribution. CASS, RICHLAND.

Sources: 1, 15, 16, 18, 27, 29, 3, 33, 34, 35, 39, 41, 43, 47.

112 (646). *Eriophorum angustifolium* Honck., tall cottongrass

Eriophorum polystachion

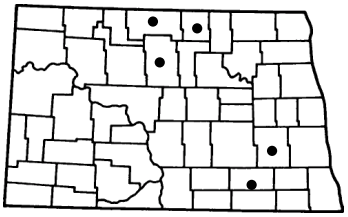


Distribution. BARNES, BOTTINEAU, BURKE, CASS, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WARD, WILLIAMS.

Sources: 17, 18, 25, 28, 29, 3, 39, 4, 41, 43, 45, 47, 5, *11*, *15*, *16*, *19*, *1*, *26*, *2*, *31*, *5*, *6*, *7*, *8*.

Photographed in VI.

113 (647). *Eriophorum chamissonis* C.A. Mey., Chamisso's cottongrass

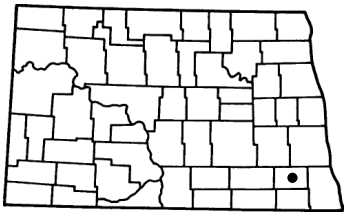


Distribution. BARNES, BOTTINEAU, LAMOURE, MCHENRY, ROLETTE.

Sources: 15, 16, 29, 34, 35, 39, 4, 41, 43, 47, 6, 7.

Photographed in VII.

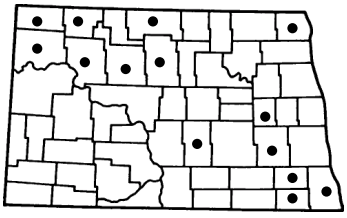
114 (648). *Eriophorum gracile* W.D.J. Koch, slender cottongrass



Distribution. RANSOM.

Sources: 29, 34, 41, 43, 5.

115 (649). *Eriophorum viridicarinatum* (Engelm.) Fernald, thinleaf cottonsedge



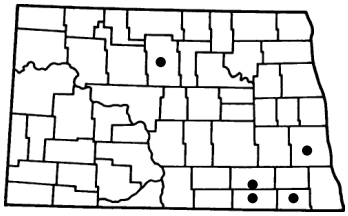
Distribution. BARNES, BOTTINEAU, BURKE, DIVIDE, GRIGGS, KIDDER, MCHENRY, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, SARGENT, WARD, WILLIAMS.

Sources: 1, 15, 16, 26, 27, 29, 34, 35, 39, 4, 41, 43, 47, 5, 7, *13*, *5*, *7*.

Photographed in VI.

116 (650). *Lipocarpha drummondii* (Nees) G. Tucker, Drummond's halfchaff sedge

Hemicarpha drummondii



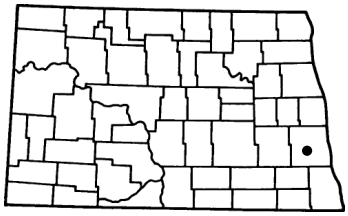
Distribution. CASS, DICKEY, LAMOURE, MCHENRY, SARGENT.

Sources: 29, 39, 4, 41, 43, 5, *15*, *16*, *25*, *26*, *27*, *35*, *5*, *6*.

Photographed in IX.

117 (651). *Lipocarpha micrantha* (Vahl) G. Tucker, smallflower halfchaff sedge

Hemicarpha micrantha, Scirpus micranthus

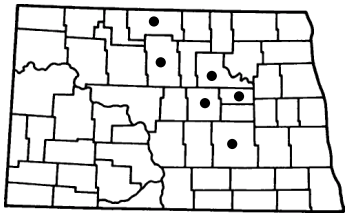


Distribution. CASS.

Sources: 29, 34, 39, 43, *15*, *16*, *1*, *27*.

118 (652). *Rhynchospora capillacea* Torr., needle beaksedge

Rhynchospora smallii



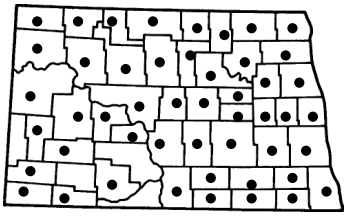
Distribution. BENSON, BOTTINEAU, EDDY, MCHENRY, STUTSMAN, WELLS.

Sources: 16, 18, 29, 3, 34, 39, 4, 43, 47, 5, 7, *35*.

Photographed in IX.

119 (653). *Schoenoplectus acutus* (Muhl. ex Bigelow) A. Love & D. Love, hard-stem bulrush

Scripus acutus



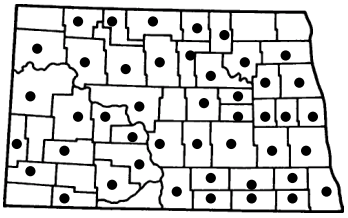
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 41, 42, 43, 44, 45, 47, 5, *11*, *13*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *45*, *6*, *7*, *8*, *9*.

Photographed in VII–IX.

120 (654). *Schoenoplectus fluviatilis* (Torr.) M.T. Strong, river bulrush

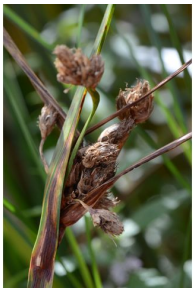
Scirpus fluviatilis



Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

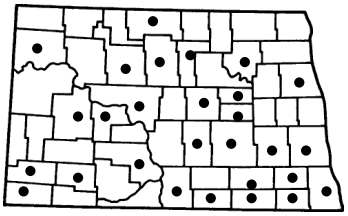
Sources: 29, 39, 4, 43, 45, 47, 5, *10*, *11*, *13*, *15*, *16*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *3*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII.



121 (655). *Schoenoplectus heterochaetus* (Chase) Sojak, slender bulrush

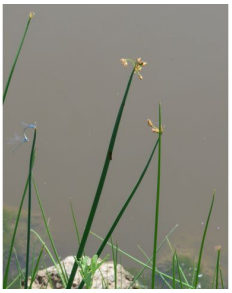
Scirpus heterochaetus, Scirpus lacustris, Scirpus tenuiculmis



Distribution. BARNES, BOTTINEAU, BOWMAN, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, HETTINGER, KIDDER, LAMOURE, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, STUTSMAN, WARD, WELLS, WILLIAMS.

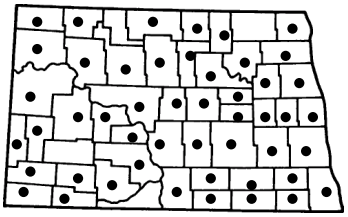
Sources: 29, 3, 39, 4, 41, 43, 47, 5, *11*, *15*, *16*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *2*, *31*, *44*, *45*, *6*, *7*, *8*.

Photographed in VII–VIII.



122 (656). *Schoenoplectus maritimus* (L.) Lye, cosmopolitan bulrush

Bolboschoenus maritimus, Bolboschoenus paludosus, Scirpus maritimus, Scirpus paludosus



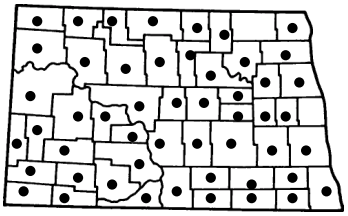
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 29, 39, 4, 43, 47, 5, *10*, *11*, *13*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VI–IX.

123 (657). *Schoenoplectus pungens* (Vahl) Palla, common threesquare

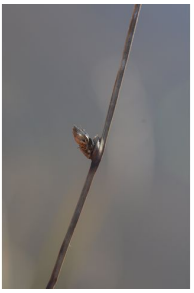
Scripus pungens

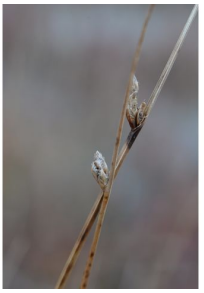


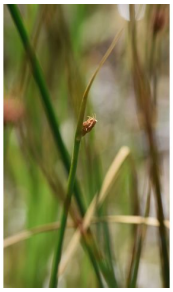
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

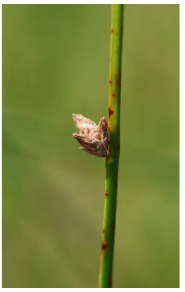
Sources: 12, 29, 39, 4, 41, 42, 43, 47, 5, *10*, *11*, *13*, *14*, *15*, *16*, *17*, *19*, *1*, *20*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VI–X.









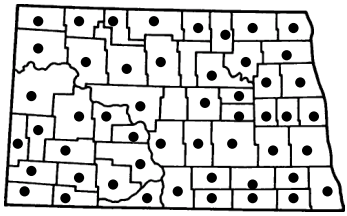
? *Schoenoplectus subterminalis* (Torr.) Sojak, swaying bulrush

Scirpus subterminalis

Sources: 18.

124 (658). *Schoenoplectus tabernaemontani* (C.C. Gmel.) Palla, softstem bulrush

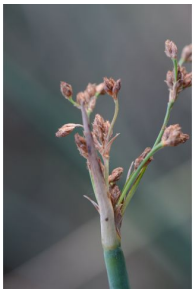
Schoenoplectus validus, Scirpus tabernaemontani, Scirpus validus



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 29, 39, 4, 41, 42, 43, 45, 47, 48, 5, *11*, *13*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *44*, *45*, *5*, *6*, *7*, *8*.

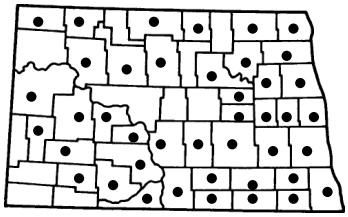
Photographed in VII–X.



† *Schoenoplectus* ×*oblongus* (T. Koyama) Sojak, oblong bulrush

Sources: *29*, *39*.

125 (659). *Scirpus atrovirens* Willd., green bulrush



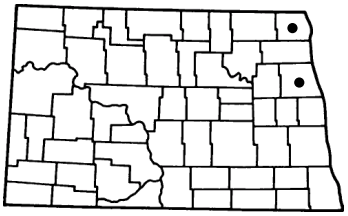
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD.

Sources: 1, 11, 13, 14, 15, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, 9.

Photographed in VII.

126 (660). *Scirpus cyperinus* (L.) Kunth, woolgrass

Scirpus eriophorum, Scirpus rubricosus

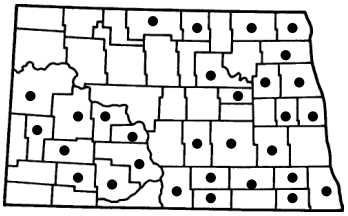


Distribution. GRAND FORKS, PEMBINA.

Sources: 20, 39, 5.

127 (661). *Scirpus microcarpus* J. Presl & C. Presl, panicled bulrush

Scirpus rubrotinctus



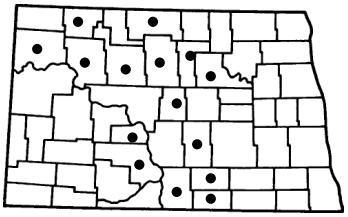
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CAVALIER, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STEELE, STUTSMAN, TRAILL, WALSH.

Sources: 1, 11, 14, 15, 16, 18, 19, 24, 26, 27, 29, 3, 30, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *25*, *28*, *32*, *7*.

Photographed in VII.

128 (662). *Scirpus nevadensis* S. Watson, Nevada bulrush

Amphiscirpus nevadensis

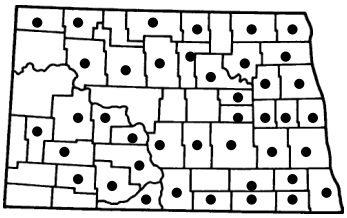


Distribution. BENSON, BOTTINEAU, BURKE, EMMONS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MORTON, MOUNTRAIL, OLIVER, PIERCE, SHERIDAN, WARD, WILLIAMS.

Sources: 1, 13, 15, 16, 17, 27, 28, 29, 31, 39, 4, 43, 44, 45, 47, 5, 6, *41*, *43*, *45*.

Photographed in VII.

129 (663). *Scirpus pallidus* (Britton) Fernald, cloaked bulrush



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, MCHENRY, MCINTOSH, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD.

Sources: 16, 19, 2, 26, 29, 39, 4, 41, 43, 45, 47, 5, 7, 8.

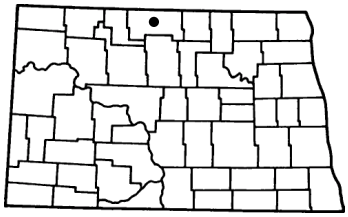
Photographed in VII–VIII.

? ***Scirpus polyphyllus*** **Vahl, leafy bulrush**

Sources: 18, 3.

37. Droseraceae, Sundew family

1 (664). ***Drosera rotundifolia*** **L., roundleaf sundew**



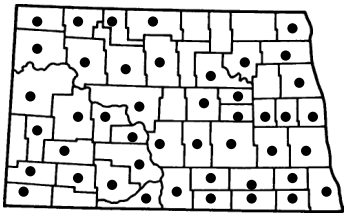
Distribution. BOTTINEAU.

Sources: 15, 27, 28, 29, 33, 34, 35, 39, 4, 41, 43, 47, 5, 7.

Photographed in VII.

38. Elaeagnaceae, Oleaster family

1 (665). *Elaeagnus angustifolia* L., Russian olive



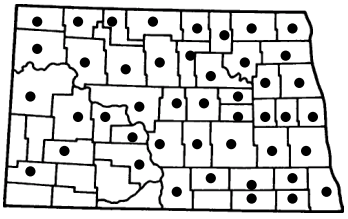
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 11, 13, 17, 18, 19, 2, 21, 24, 25, 26, 28, 29, 30, 31, 32, 39, 4, 40, 42, 43, 44, 45, 5, 7, 8, *7*.

Photographed in VI–VIII.

2 (666). *Elaeagnus commutata* Bernh. ex Rydb., silverberry

Elaeagnus argentea



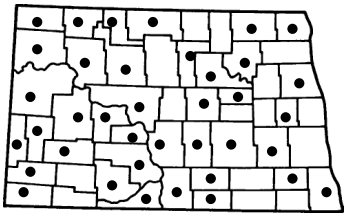
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 19, 2, 21, 24, 25, 26, 28, 29, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *27*, *30*, *32*, *7*, *9*.

Photographed in VI–IX.

3 (667). *Shepherdia argentea* (Pursh) Nutt., silver buffaloberry

Elaeagnus utilis, Lepargyrea argentea



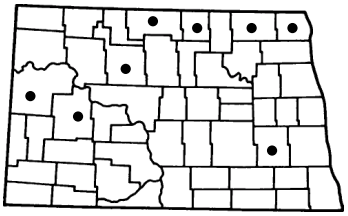
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 19, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *18*, *3*, *5*, *7*.

Photographed in VI–IX.

4 (668). *Shepherdia canadensis* (L.) Nutt., russet buffaloberry

Elaeagnus canadensis, Lepargyrea canadensis



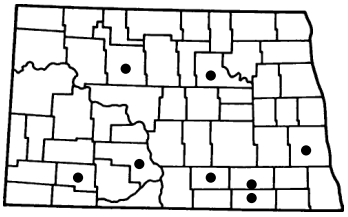
Distribution. BARNES, BOTTINEAU, CAVALIER, DUNN, MCKENZIE, PEMBINA, ROLETTE, WARD.

Sources: 1, 17, 24, 27, 28, 29, 30, 39, 4, 41, 43, 45, 6, 7, *18*, *3*, *5*.

Photographed in VII–VIII.

39. Elatinaceae, Waterwort family

1 (669). *Elatine rubella* Rydb., southwestern waterwort



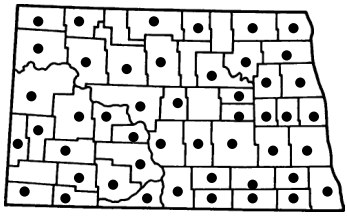
Distribution. BENSON, CASS, DICKEY, HETTINGER, LAMOURE, LOGAN, MORTON, WARD.

Sources: 29, 39, 4, 43, *15*, *16*, *17*, *1*, *27*, *2*, *31*, *33*, *34*, *35*, *3*, *41*, *43*, *45*, *47*, *5*.

40. Equisetaceae, Horsetail family

1 (670). *Equisetum arvense* L., field horsetail

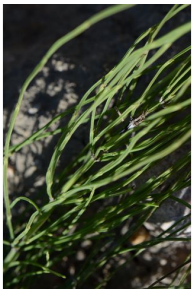
Equisetum calderi



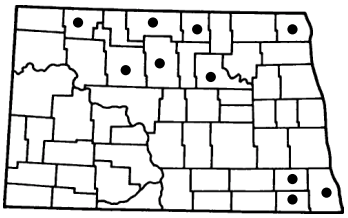
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 18, 19, 2, 21, 22, 23, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *9*.

Photographed in VI–X.



2 (671). *Equisetum fluviatile* L., water horsetail

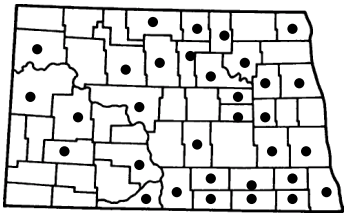


Distribution. BENSON, BOTTINEAU, BURKE, MCHENRY, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, WARD.

Sources: 1, 15, 17, 18, 22, 23, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 43, 45, 47, 5, 6, *16*.

Photographed in VII–IX.

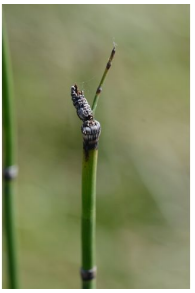
3 (672). *Equisetum hyemale* L., scouringrush horsetail



Distribution. BARNES, BENSON, BOTTINEAU, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, TOWNER, WARD, WILLIAMS.

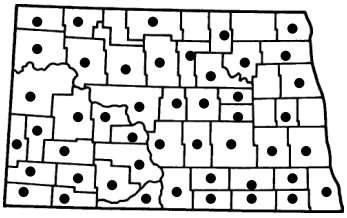
Sources: 1, 11, 14, 15, 16, 17, 18, 19, 2, 21, 22, 23, 24, 26, 28, 29, 3, 31, 39, 4, 41, 42, 43, 45, 48, 5, 6, 7, 8, *17*, *18*, *25*, *27*, *30*, *9*.

Photographed in VI–IX.



4 (673). *Equisetum laevigatum* A. Braun, smooth horsetail

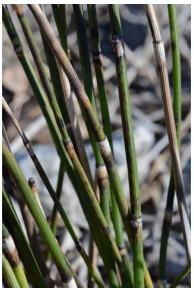
Equisetum kansanum, Hippochaete laevigata



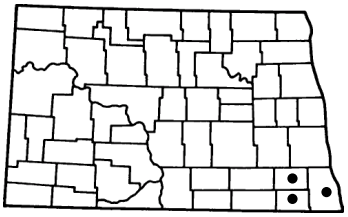
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 19, 2, 21, 22, 23, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *27*, *5*, *7*.

Photographed in VI–X.



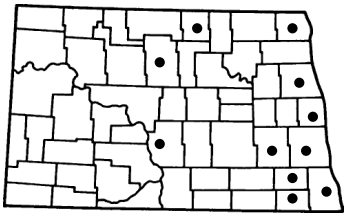
5 (674). *Equisetum palustre* L., marsh horsetail



Distribution. RANSOM, RICHLAND, SARGENT.

Sources: 15, 16, 22, 23, 25, 26, 29, 33, 34, 35, 39, 41, 43, 45, 47, 5.

6 (675). *Equisetum pratense* Ehrh., meadow horsetail

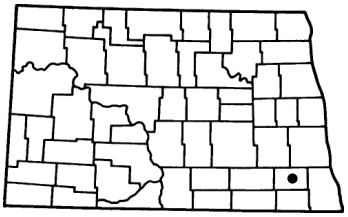


Distribution. BARNES, BURLEIGH, CASS, GRAND FORKS, MCHENRY, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, TRAILL.

Sources: 1, 14, 15, 16, 18, 22, 23, 25, 26, 27, 29, 3, 30, 33, 34, 35, 39, 4, 41, 42, 43, 45, 47, 5.

Photographed in VII–IX.

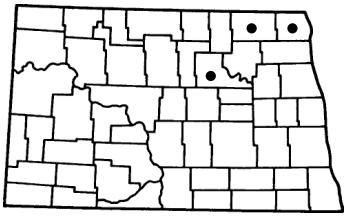
7 (676). *Equisetum scirpoides* Michx., dwarf scouringrush



Distribution. RANSOM.

Sources: 25, 29, 39, 41.

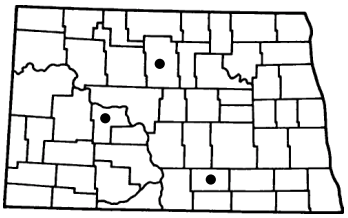
8 (677). *Equisetum sylvaticum* L., woodland horsetail



Distribution. BENSON, CAVALIER, PEMBINA.

Sources: 15, 16, 22, 23, 29, 30, 33, 34, 35, 39, 41, 43, 45, 47, 5, 6.

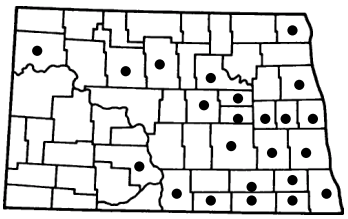
9 (678). *Equisetum variegatum* Schleich. ex F. Weber & D. Mohr, variegated scouringrush



Distribution. LOGAN, MCHENRY, MERCER.

Sources: 34, 39, 41, 43, 45, 5, 7.

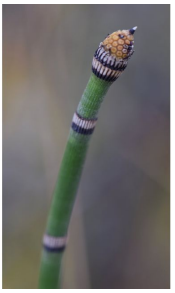
10 (679). *Equisetum* ×*ferrissii* Clute, Intermediate horsetail



Distribution. BARNES, BENSON, CASS, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, LAMOURE, MCHENRY, MCINTOSH, MORTON, PEMBINA, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 4, 41, 47, *11*, *13*, *19*, *1*, *23*, *26*, *29*, *2*, *39*, *43*, *5*, *6*, *8*.

Photographed in VII–IX.



† *Equisetum* ×*litorale* Kuhlewein ex Rupr., shore horsetail

Sources: 41, 47, *29*, *39*.

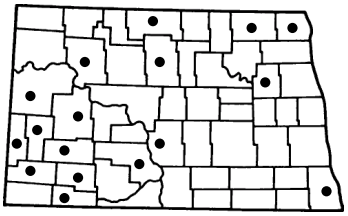
† *Equisetum* ×*nelsonii* (A.A. Eaton) Schaffn., Nelson's horsetail

Sources: *29*, *39*.

41. Ericaceae, Heath family

1 (680). *Arctostaphylos uva-ursi* (L.) Spreng., kinnikinnick

Arctostaphylos adenotricha, Uva-Ursi uva-ursi



Distribution. ADAMS, BILLINGS, BOTTINEAU, BURLEIGH, CAVALIER, DUNN, GOLDEN VALLEY, HETTINGER, MCHENRY, MCKENZIE, MORTON, MOUNTRAIL, NELSON, PEMBINA, RICHLAND, SLOPE, STARK.

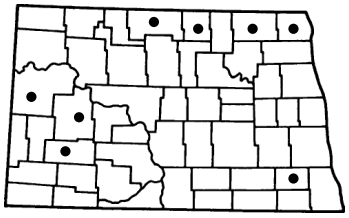
Sources: 1, 13, 24, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, *24*, *25*, *5*.

† *Ledum groenlandicum* Oeder, bog Labrador tea ☐

Rhododendron groenlandicum

Sources: 29.

2 (681). *Monotropa uniflora* L., Indianpipe ☐

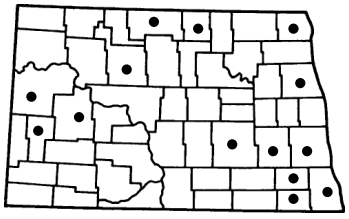


Distribution. BOTTINEAU, CAVALIER, DUNN, MCKENZIE, PEMBINA, RANSOM, ROLETTE, STARK.

Sources: 1, 18, 24, 25, 26, 27, 28, 29, 3, 33, 34, 39, 41, 42, 43, 47, 5, 6, 7.

3 (682). *Orthilia secunda* (L.) House, sidebells wintergreen ☐

Pyrola secunda, Ramischia elatior, Ramischia secunda



Distribution. BARNES, BILLINGS, BOTTINEAU, CASS, DUNN, GRAND FORKS, MCKENZIE, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WARD.

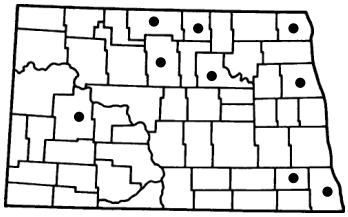
Sources: 14, 29, 3, 39, 4, 41, 43, 45, 47, 5, *11*, *17*, *1*, *24*, *26*, *27*, *28*, *30*, *32*, *5*, *7*.

? *Pyrola americana* Sweet, American wintergreen ☐

Pyrola obovata

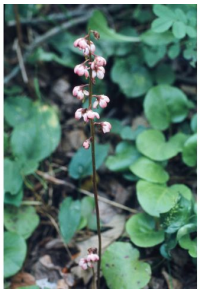
Sources: 47, 7.

4 (683). *Pyrola asarifolia* Michx., liverleaf wintergreen ☐



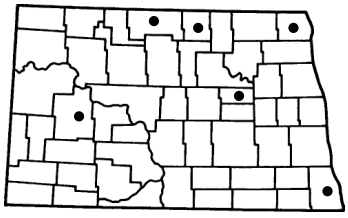
Distribution. BENSON, BOTTINEAU, DUNN, GRAND FORKS, MCHENRY, PEMBINA, RANSOM, RICHLAND, ROLETTE.

Sources: 1, 18, 24, 25, 26, 27, 28, 29, 30, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7.



5 (684). *Pyrola elliptica* Nutt., waxflower shinleaf ☐

Pyrola compacta, Pyrola borealis, Pyrola canadensis, Pyrola gormanii, Pyrola occidentalis

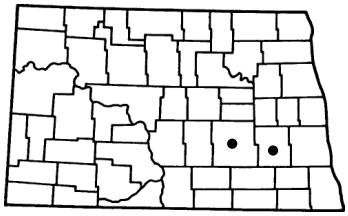


Distribution. BOTTINEAU, DUNN, EDDY, PEMBINA, RICHLAND, ROLETTE.

Sources: 1, 19, 24, 25, 26, 27, 28, 29, 3, 30, 39, 41, 42, 43, 47, 5, 6, 7.

42. Euphorbiaceae, Spurge family

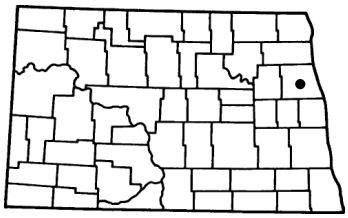
1 (685). *Acalypha rhomboidea* Raf., common threeseed mercury



Distribution. BARNES, STUTSMAN.

Sources: 1, 29, 39, 41, 43, 47, 5, *11*.

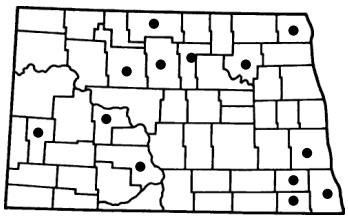
2 (686). *Acalypha virginica* L., Virginia threeseed mercury



Distribution. GRAND FORKS.

Sources: 41, 7.

3 (687). *Chamaesyce geyeri* (Engelm. & A. Gray) Small, Geyer's sandmat



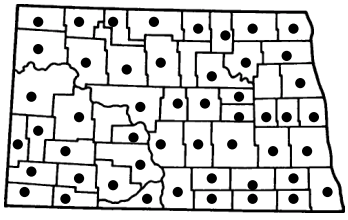
Distribution. BILLINGS, BOTTINEAU, CASS, MCHENRY, MERCER, MORTON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, WARD.

Sources: 29, 4, 41, 43, 47, *17*, *1*, *21*, *25*, *26*, *27*, *28*, *30*, *32*, *39*, *3*, *6*, *7*.

Photographed in VII–X.

4 (688). *Chamaesyce glyptosperma* (Engelm.) Small, ribseed sandmat

Euphorbia glyptosperma



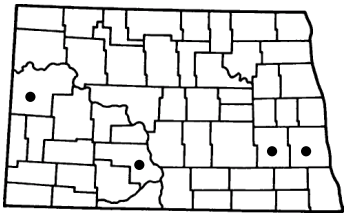
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 29, 4, 41, 43, 45, 47, *11*, *13*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *39*, *3*, *44*, *6*, *7*, *8*.

Photographed in VII–VIII.

5 (689). *Chamaesyce maculata* (L.) Small, spotted sandmat

Chamaesyce mathewsii, Chamaesyce supina, Chamaesyce tracyi, Euphorbia maculata, Euphorbia supina

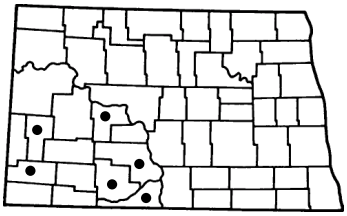


Distribution. BARNES, CASS, MCKENZIE, MORTON.

Sources: 18, 29, 41, 43, 45, 47, *1*, *27*, *39*, *5*.

6 (690). *Chamaesyce missurica* (Raf.) Shinners, prairie sandmat

Chamaesyce nuttallii, Chamaesyce petaloidea, Chamaesyce zygophylloides, Euphorbia missurica, Euphorbia nuttallii, Euphorbia petaloidea

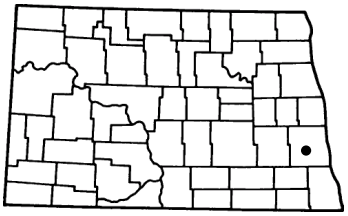


Distribution. BILLINGS, GRANT, MERCER, MORTON, SIOUX, SLOPE.

Sources: 12, 29, 41, 43, 45, 47, *1*, *27*, *32*, *39*.

7 (691). *Chamaesyce nutans* (Lag.) Small, eyebane

Chamaesyce maculata, Chamaesyce preslii, Euphorbia maculata, Euphorbia nutans, Euphorbia preslii

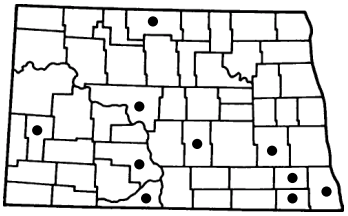


Distribution. CASS.

Sources: 29, 41, 43, 47, *1*, *39*.

8 (692). *Chamaesyce serpens* (Kunth) Small, matted sandmat

Euphorbia serpens



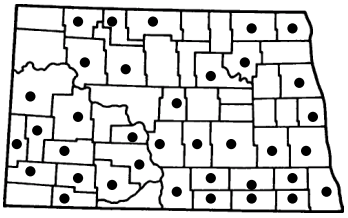
Distribution. BARNES, BILLINGS, BOTTINEAU, KIDDER, MCLEAN, MORTON, RANSOM, RICHLAND, SARGENT, SIOUX.

Sources: 29, 4, 41, 43, 47, *11*, *18*, *1*, *26*, *27*, *28*, *32*, *39*, *3*.

Photographed in IX.

9 (693). *Chamaesyce serpyllifolia* (Pers.) Small, thymeleaf sandmat

Euphorbia serpyllifolia



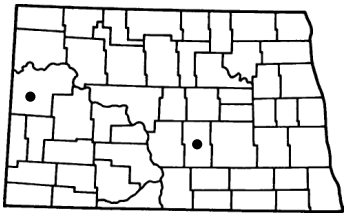
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STUTSMAN, TRAILL, WARD.

Sources: 14, 29, 4, 41, 43, 45, 47, *10*, *11*, *13*, *17*, *18*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *3*, *45*, *6*, *7*.

Photographed in VII–IX.

10 (694). *Chamaesyce stictospora* (Engelm.) Small, slimseed sandmat

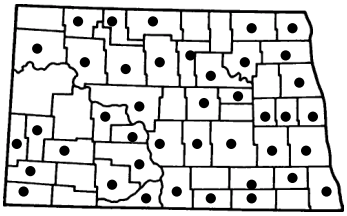
Euphorbia stictospora



Distribution. KIDDER, MCKENZIE.

Sources: 29, 41, 43, 47, 5, *1*, *24*, *39*.

11 (695). *Euphorbia agraria* M. Bieb., urban spurge

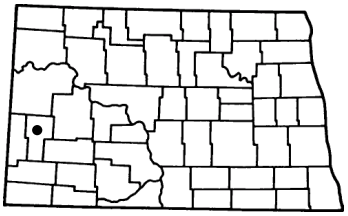


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 29, 43.

12 (696). *Euphorbia brachycera* Engelm., horned spurge

Euphorbia lurida, Euphorbia montana, Euphorbia odontadenia, Euphorbia robusta, Tithymalus brachycera, Tithymalus montanus, Tithymalus robustus

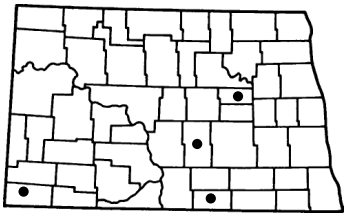


Distribution. BILLINGS.

Sources: 29, 39, 47, *41*, *7*.

13 (697). *Euphorbia cyparissias* L., cypress spurge

Galarhoeus cyparissias, Tithymalus cyparissias



Distribution. BOWMAN, EDDY, KIDDER, MCINTOSH. Introduced.

Sources: 1, 19, 27, 29, 31, 39, 40, 43, 45, 7, *18*.

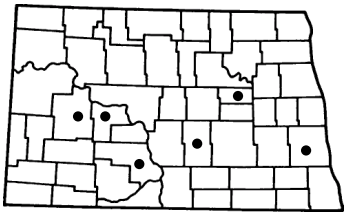
† *Euphorbia helioscopia* L., madwoman's milk

Galarhoeus helioscopius, Tithymalus helioscopius

Sources: 29, 39.

14 (698). *Euphorbia marginata* Pursh, snow on the mountain

Agaloma marginata, Dichrophyllum marginatum, Lepadena marginata



Distribution. CASS, DUNN, EDDY, KIDDER, MERCER, MORTON.

Sources: 1, 19, 27, 29, 3, 39, 41, 43.

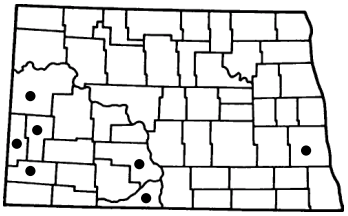
† *Euphorbia peplus* L., petty spurge

Galarhoeus peplus, Tithymalus peplus

Sources: 18, 29, 39, 47, *27*.

15 (699). *Euphorbia spathulata* Lam., warty spurge

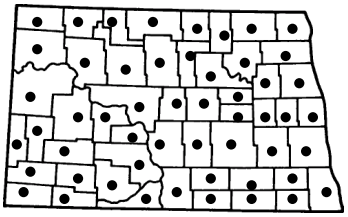
Euphorbia alta, Euphorbia arkansana, Euphorbia dictyosperma, Euphorbia obtusata, Galarhoeus arkansanus, Galarhoeus obtusatus, Tithymalus arkansanus, Tithymalus missouriensis, Tithymalus obtusatus, Tithymalus spathulatus



Distribution. BILLINGS, CASS, GOLDEN VALLEY, MCKENZIE, MORTON, SIOUX, SLOPE.

Sources: 1, 24, 29, 39, 41, 43, 45, 47, *18*, *27*, *32*, *3*.

16 (700). *Euphorbia virgata* Waldst. & Kit., leafy spurge



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 39, 4, 43, *10*, *11*, *12*, *13*, *14*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *29*, *2*, *30*, *31*, *32*, *36*, *37*, *39*, *3*, *40*, *42*, *43*, *44*, *45*, *47*, *6*, *7*, *8*.

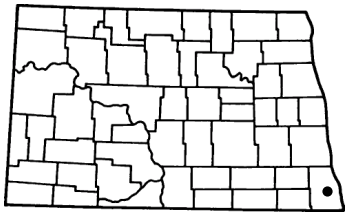
Photographed in VIII–X.

43. Fagaceae, Beech family

? *Quercus alba* L., white oak

Sources: 38, 7.

1 (701). *Quercus ellipsoidalis* E.J. Hill, northern pin oak



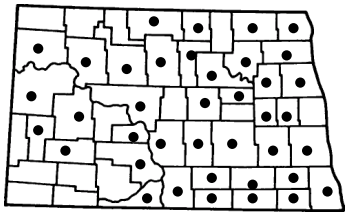
Distribution. RICHLAND.

Sources: 29, 34, 39, 41, 43.

? *Quercus lyrata* Walter, overcup oak

Sources: 7.

2 (702). *Quercus macrocarpa* Michx., bur oak



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

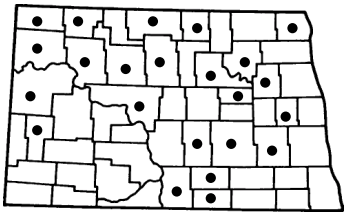
Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *32*.

? *Quercus* ×*heterophylla* Michx. f., Bartram's oak

Sources: *29*, *39*.

44. Gentianaceae, Gentian family

1 (703). *Gentiana affinis* Griseb., pleated gentian

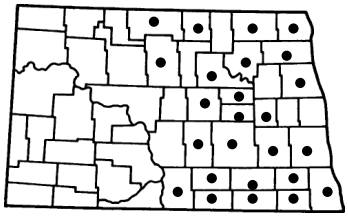


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, DIVIDE, EDDY, EMMONS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, ROLETTE, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 19, 24, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, 9, *18*, *21*.

Photographed in VIII.

2 (704). *Gentiana andrewsii* Griseb., closed bottle gentian



Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH, WELLS.

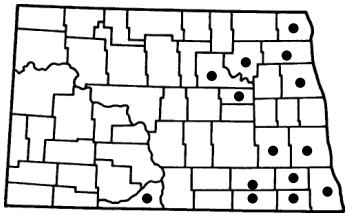
Sources: 1, 10, 11, 14, 15, 16, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 31, 39, 41, 42, 43, 45, 5, 6, 7, 8, *18*.

? *Gentiana decora* Pollard, showy gentian

Sources: 45.

3 (705). *Gentiana puberulenta* J. Pringle, downy gentian

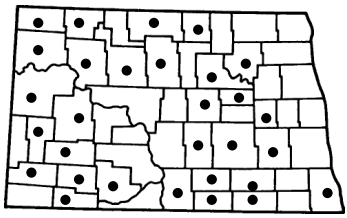
Gentiana puberula



Distribution. BARNES, BENSON, CASS, DICKEY, EDDY, GRAND FORKS, LAMOURE, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, WALSH.

Sources: 1, 11, 2, 21, 26, 29, 39, 41, 43, 45, 5, 8, *18*, *25*, *27*, *7*.

4 (706). *Gentianella amarella* (L.) Borner, autumn dwarf gentian

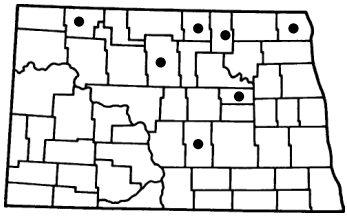


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MOUNTRAIL, RAMSEY, RICHLAND, ROLETTE, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 19, 2, 21, 24, 29, 31, 39, 4, 41, 43, 5, 6, 8, *13*, *17*, *18*, *27*, *28*, *32*, *3*, *45*, *5*, *7*.

5 (707). *Gentianopsis crinita* (Froel.) Ma, greater fringed gentian

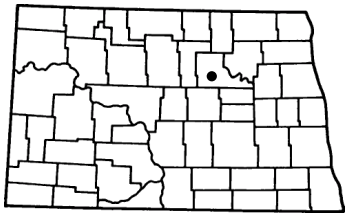
Anthopogon crinitum, Gentiana crinita, Gentiana ventricosa, Gentianella crinita



Distribution. BURKE, EDDY, KIDDER, MCHENRY, PEMBINA, ROLETTE, TOWNER.

Sources: 1, 15, 19, 29, 34, 39, 41, 43, 5, 8, *35*.

6 (708). *Gentianopsis detonsa* (Rottb.) Ma, windmill fringed gentian



Distribution. BENSON.

Sources: *45*, *7*.

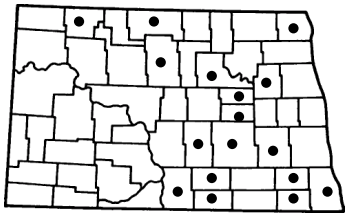
† *Gentianopsis macounii* (T. Holm) Iltis, Macoun's fringed gentian

Anthopogon tonsum, Gentiana gaspensis, Gentiana macounii, Gentiana tonsa

Sources: 29.

7 (709). *Gentianopsis virgata* (Raf.) Holub, lesser fringed gentian

Gentianopsis procera

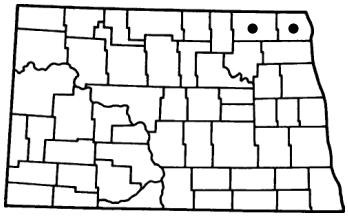


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, EDDY, EMMONS, FOSTER, KIDDER, LOGAN, MCHENRY, MCINTOSH, NELSON, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 29, 39, 4, 43, 45, 5, *13*, *15*, *16*, *19*, *25*, *27*, *28*, *30*, *31*, *3*, *41*, *43*, *5*, *6*, *7*, *8*, *9*.

Photographed in IX.

8 (710). *Halenia deflexa* (Sm.) Griseb., American spurred gentian

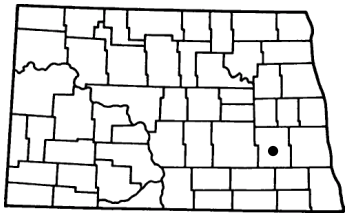


Distribution. CAVALIER, PEMBINA.

Sources: 1, 29, 33, 34, 35, 39, 41, 43.

45. Geraniaceae, Geranium family

1 (711). *Erodium cicutarium* (L.) L'Her. ex Aiton, redstem stork's bill

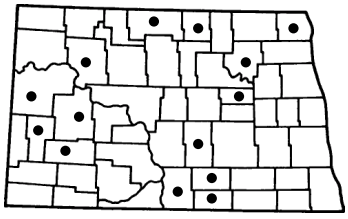


Distribution. BARNES. Introduced.

Sources: 11, 18, 27, 29, 3, 39, 40.

2 (712). *Geranium bicknellii* Britton, Bicknell's cranesbill

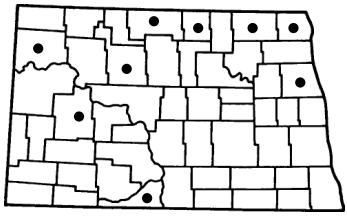
Geranium nemorale



Distribution. BILLINGS, BOTTINEAU, DUNN, EDDY, EMMONS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MOUNTRAIL, PEMBINA, RAMSEY, ROLETTE, STARK.

Sources: 1, 13, 21, 24, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 6.

3 (713). *Geranium carolinianum* L., Carolina geranium



Distribution. BOTTINEAU, CAVALIER, DUNN, GRAND FORKS, PEMBINA, ROLETTE, SIOUX, WARD, WILLIAMS.

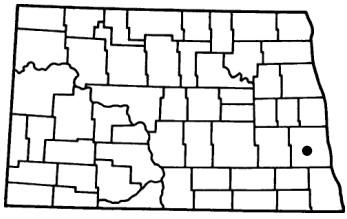
Sources: 1, 13, 17, 18, 24, 27, 28, 29, 3, 30, 39, 4, 41, 43, 45, 6, 7, 7.

Photographed in VII.

? *Geranium columbinum* L., longstalk cranesbill

Sources: 18, 29.

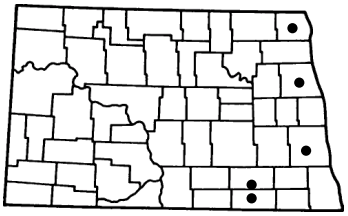
4 (714). *Geranium maculatum* L., spotted geranium



Distribution. CASS.

Sources: 1, 27, 29, 34, 35, 39, 41, 43.

5 (715). *Geranium pusillum* L., small geranium



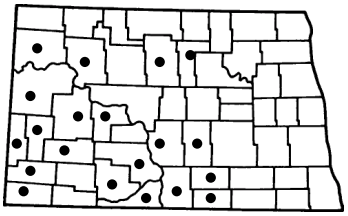
Distribution. CASS, DICKEY, GRAND FORKS, LAMOURE, PEMBINA. Introduced.

Sources: 1, 27, 29, 3, 39, 43, *2*.

46. Gramineae, Grass family

1 (716). *Achnatherum hymenoides* (Roem. & Schult.) Barkworth, Indian ricegrass

Eriocoma cuspidata, Oryzopsis hymenoides, Stipa hymenoides

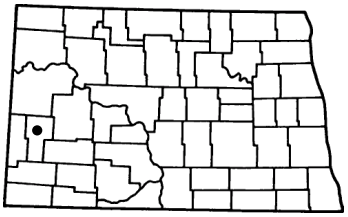


Distribution. BILLINGS, BOWMAN, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, PIERCE, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 29, 3, 39, 4, 43, 45, 5, *13*, *1*, *24*, *27*, *31*, *32*, *41*, *6*, *7*.

Photographed in VI.

2 (717). *Achnatherum* ×*bloomeri* (Bol.) Barkworth, Bloomer's ricegrass

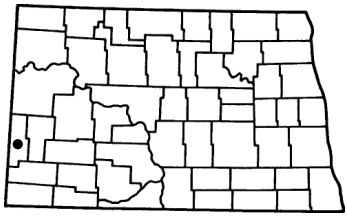


Distribution. BILLINGS.

Sources: *32*, *39*, *5*.

3 (718). *Aegilops cylindrica* Host, jointed goatgrass

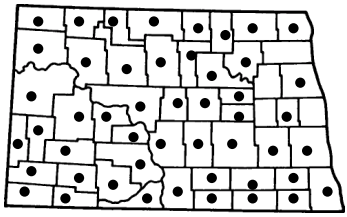
Aegilops tauschii, Cylindropyrum cylindricum, Triticum cylindricum



Distribution. GOLDEN VALLEY. Introduced.

Sources: 1, 29, 39, 40, 43.

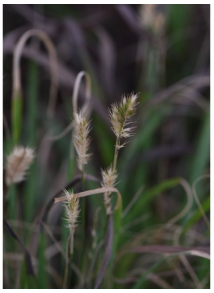
4 (719). *Agropyron cristatum* (L.) Gaertn., crested wheatgrass



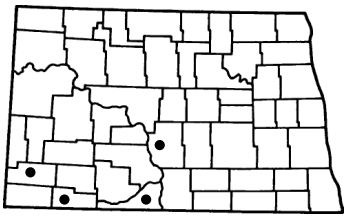
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 14, 17, 18, 19, 2, 21, 24, 26, 27, 28, 29, 31, 39, 4, 40, 41, 42, 43, 44, 45, 5, 6, 7, 8, *13*, *19*, *1*, *25*, *29*, *32*, *43*, *45*, *5*, *7*.

Photographed in VI–X.



5 (720). *Agropyron fragile* (Roth) P. Candargy, Siberian wheatgrass



Distribution. ADAMS, BURLEIGH, SIOUX, SLOPE. Introduced.

Sources: 39.

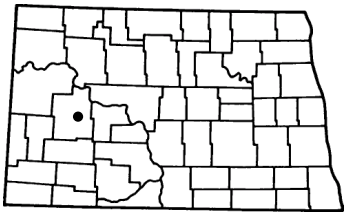
? *Agrostis capillaris* L., colonial bentgrass

Agrostis sylvatica, Agrostis tenuis, Agrostis vulgaris

Sources: 29.

6 (721). *Agrostis exarata* Trin., spike bentgrass

Agrostis aenea, Agrostis alaskana, Agrostis ampla, Agrostis longiligula, Agrostis melaleuca

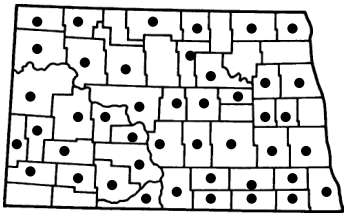


Distribution. DUNN.

Sources: 24, 34, 35, 39, 43, 5.

7 (722). *Agrostis hyemalis* (Walter) Britton, Sterns & Poggenb., winter bentgrass

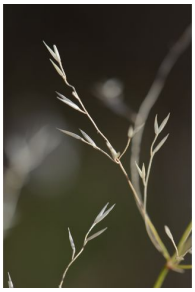
Agrostis antecedens, Cornucopiae hyemalis

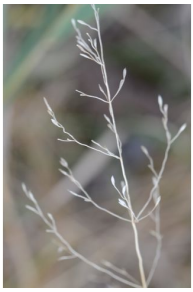


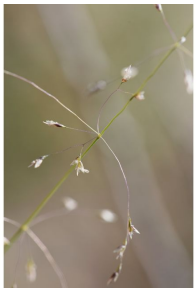
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

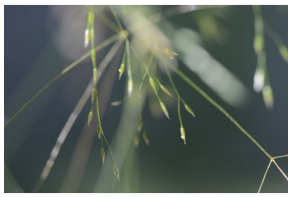
Sources: 1, 11, 15, 16, 18, 3, 31, 4, 45, 5, 6, 7, 7.

Photographed in VII–X.



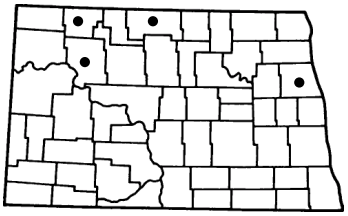






8 (723). *Agrostis perennans* (Walter) Tuck., upland bentgrass

Agrostis altissima, Agrostis elata, Agrostis oreophila, Agrostis schweinitzii, Cornucopiae perennans

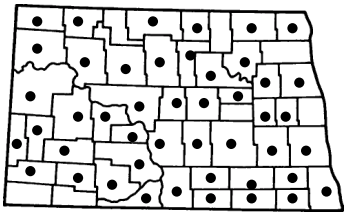


Distribution. BOTTINEAU, BURKE, GRAND FORKS, MOUNTRAIL.

Sources: 1, 13, 29, 39, 4, 41, 43.

9 (724). *Agrostis scabra* Willd., rough bentgrass

Agrostis geminata, Agrostis maritima, Agrostis palustris

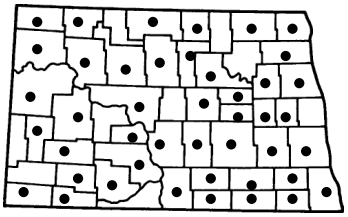


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 10, 13, 14, 17, 19, 2, 21, 24, 25, 27, 28, 29, 30, 32, 39, 4, 41, 43, 44, 45, 5, 7, 8.

Photographed in VII–VIII.

10 (725). *Agrostis stolonifera* L., creeping bentgrass

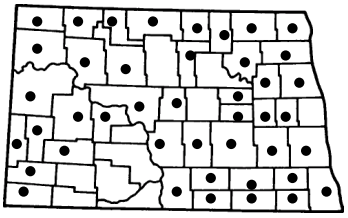


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 13, 15, 16, 19, 24, 25, 26, 29, 30, 31, 39, 4, 42, 43, 45, 5, 6, 7, 8, *14*, *27*, *28*, *29*, *32*, *42*, *43*, *5*, *7*.

Photographed in VII–IX.

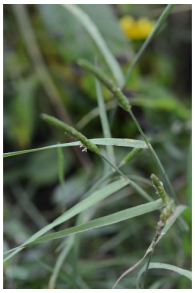
11 (726). *Alopecurus aequalis* Sobol., shortawn foxtail



Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WILLIAMS.

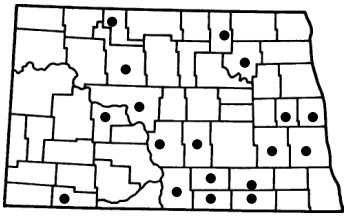
Sources: 1, 11, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 32, 39, 4, 41, 43, 44, 5, 6, 7, 8, 9, *30*, *31*.

Photographed in VII–IX.



12 (727). *Alopecurus arundinaceus* Poir., creeping meadow foxtail

Alopecurus ventricosus



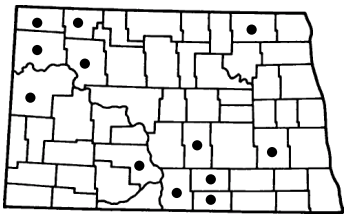
Distribution. ADAMS, BARNES, BURLEIGH, CASS, DICKEY, EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MERCER, RAMSEY, RENVILLE, STEELE, TOWNER, TRAILL, WARD. Introduced.

Sources: 11, 16, 2, 21, 29, 31, 39, 4, 43, 44, 5, *27*, *43*.

Photographed in VI–VII.

13 (728). *Alopecurus carolinianus* Walter, Carolina foxtail

Alopecurus macounii, Alopecurus ramosus

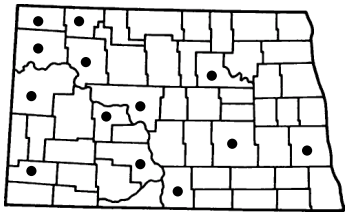


Distribution. BARNES, BURKE, CAVALIER, DIVIDE, EMMONS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MORTON, MOUNTRAIL, WILLIAMS.

Sources: 1, 15, 16, 24, 27, 29, 31, 39, 4, 41, 43, 5, 7, *13*.

Photographed in VII.

14 (729). *Alopecurus geniculatus* L., water foxtail

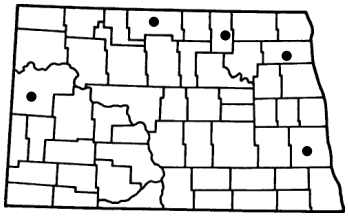


Distribution. BENSON, BURKE, CASS, DIVIDE, EMMONS, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, SLOPE, STUTSMAN, WILLIAMS. Introduced.

Sources: 1, 15, 16, 24, 29, 39, 4, 41, 43, 45, 5, 7, *13*, *3*.

Photographed in VII.

15 (730). *Alopecurus pratensis* L., meadow foxtail



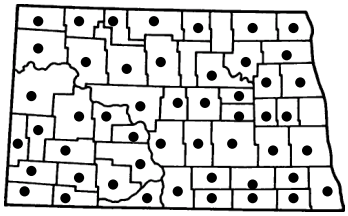
Distribution. BOTTINEAU, CASS, MCKENZIE, TOWNER, WALSH. Introduced.

Sources: 16, 28, 29, 3, 39, 4, 43, 45, 7.

Photographed in VII.

16 (731). *Andropogon gerardii* Vitman, big bluestem

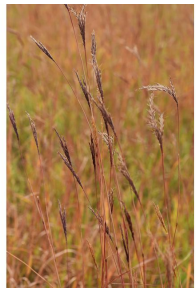
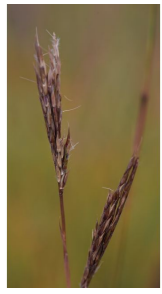
Andropogon chrysocomus, Andropogon provincialis



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

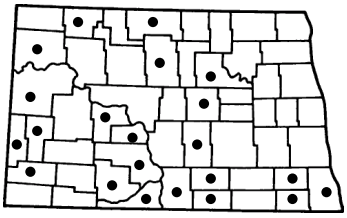
Sources: 1, 10, 12, 14, 18, 19, 24, 26, 29, 3, 39, 4, 41, 42, 43, 44, 45, 5, 7, 8, *11*, *13*, *17*, *21*, *25*, *27*, *28*, *2*, *30*, *31*, *32*, *5*, *6*, *7*, *9*.

Photographed in VII–X.

17 (732). *Andropogon hallii* Hack., sand bluestem

Andropogon paucipilus

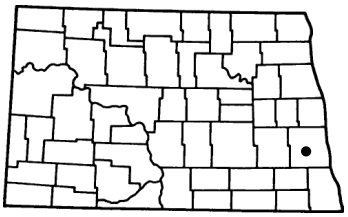


Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, OLIVER, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, WELLS, WILLIAMS.

Sources: 1, 13, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7.

Photographed in X.

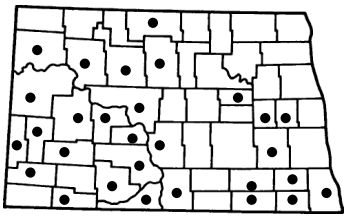
18 (733). *Aristida basiramea* Engelm. ex Vasey, forked threeawn



Distribution. CASS.

Sources: 29, 39.

19 (734). *Aristida purpurea* Nutt., purple threeawn

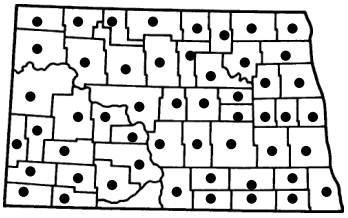


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BURLEIGH, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, GRIGGS, LAMOURE, MCHENRY, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, WARD, WILLIAMS.

Sources: 12, 18, 19, 2, 24, 26, 29, 3, 39, 4, 41, 42, 43, 44, 45, 5, 8, *13*, *17*, *1*, *25*, *27*, *28*, *31*, *32*, *43*, *45*, *6*, *7*.

Photographed in VII–X.

20 (735). *Avena fatua* L., wild oat



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 37, 39, 4, 40, 42, 43, 45, 5, 6, 7, 8, *21*.

Photographed in VIII.

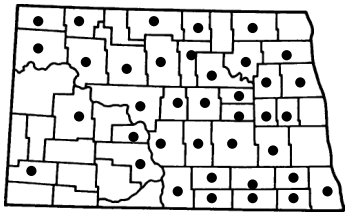
* *Avena sativa* L., common oat

Avena byzantina

Sources: 18, 25, 26, 29, 31, 38, 39, 43, 45, 5, 7.

21 (736). *Avenula hookeri* (Scribn.) Holub, spikeoat

Avena hookeri, Avenochloa hookeri, Helictotrichon hookeri

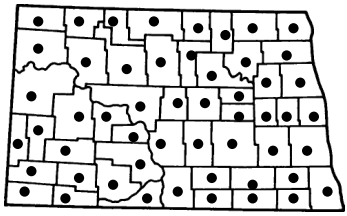


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 45, 5, *10*, *11*, *13*, *17*, *19*, *1*, *24*, *25*, *26*, *27*, *2*, *31*, *32*, *41*, *43*, *44*, *45*, *6*, *7*, *8*, *9*.

Photographed in VI.

22 (737). *Beckmannia syzigachne* (Steud.) Fernald, American sloughgrass

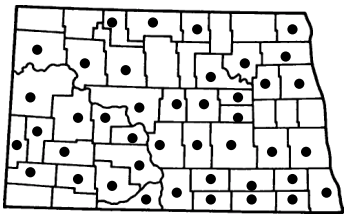


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *17*, *18*, *3*, *7*.

Photographed in VII–X.

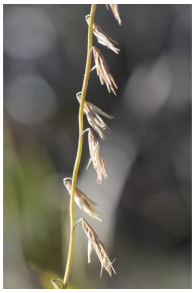
23 (738). *Bouteloua curtipendula* (Michx.) Torr., sideoats grama

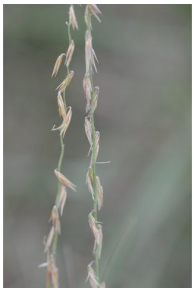


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *7*, *9*.

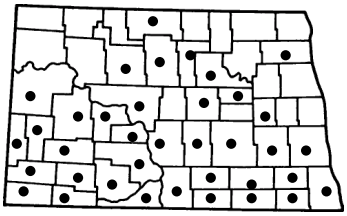
Photographed in VII–X.





24 (739). *Bouteloua dactyloides* (Nutt.) J.T. Columbus, buffalograss

Buchloë dactyloides, Buchloë dactyloides, Bulbilis dactyloides, Sesleria dactyloides



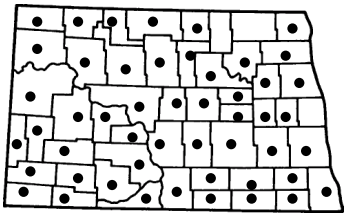
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, OLIVER, PIERCE, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS.

Sources: 29, 39, 4, 42, 45, 5, *11*, *12*, *17*, *19*, *1*, *24*, *26*, *27*, *28*, *31*, *32*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*.

Photographed in VI–VII.

25 (740). *Bouteloua gracilis* (Willd. ex Kunth) Lag. ex Griffiths, blue grama

Bouteloua oligostachya, Chondrosum gracile, Chondrosum oligostachyum

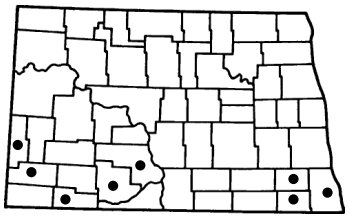


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *13*, *43*, *5*, *7*.

Photographed in VII–X.

26 (741). *Bouteloua hirsuta* Lag., hairy grama



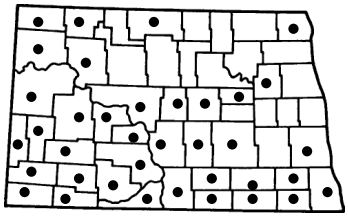
Distribution. ADAMS, GOLDEN VALLEY, GRANT, MORTON, RANSOM, RICHLAND, SARGENT, SLOPE.

Sources: 1, 18, 25, 26, 27, 29, 3, 39, 4, 41, 43, 45, 5, 6, 7, *43*.

Photographed in VIII.

27 (742). *Bromus arvensis* L., field brome

Bromus anatolicus, Bromus japonicus, Bromus patulus

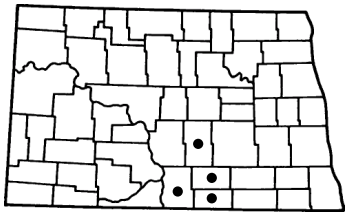


Distribution. ADAMS, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WELLS, WILLIAMS. Introduced.

Sources: 18, 27, 29, 30, 39, 4, 40, 43, 5, *12*, *13*, *19*, *1*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *45*, *6*, *7*, *8*.

Photographed in VI.

28 (743). *Bromus briziformis* Fisch. & C.A. Mey., rattlesnake brome

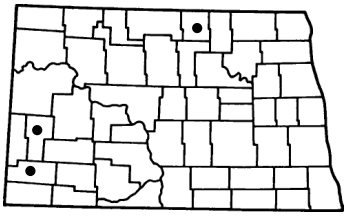


Distribution. EMMONS, KIDDER, LOGAN, MCINTOSH. Introduced.

Sources: 29, 39, 40, 43, *31*, *5*.

29 (744). *Bromus carinatus* Hook. & Arn., California brome

Bromus laciniatus, Ceratochloa carinata

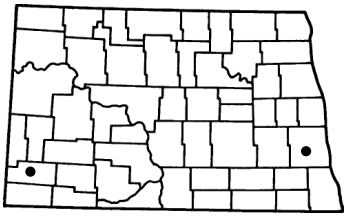


Distribution. BILLINGS, ROLETTE, SLOPE.

Sources: 34, 35, 39, 43, 45, 5.

30 (745). *Bromus catharticus* Vahl, rescuegrass

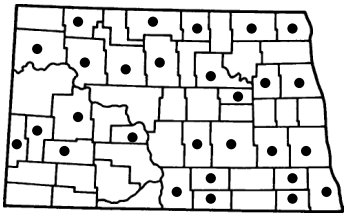
Bromus brevis, Bromus haenkeanus, Bromus unioloides, Bromus willdenowii, Ceratochloa cathartica, Ceratochloa unioloides, Ceratochloa willdenowii, Festuca unioloides



Distribution. CASS, SLOPE. Introduced.

Sources: 18, 29, 39, 40, 41, 43, *1*.

31 (746). *Bromus ciliatus* L., fringed brome



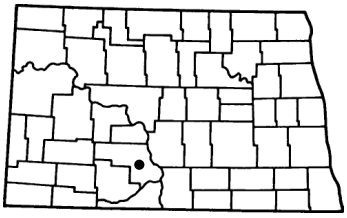
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 5, 6, 9, *16*, *32*.

Photographed in VII–IX.

32 (747). *Bromus erectus* Huds., erect brome

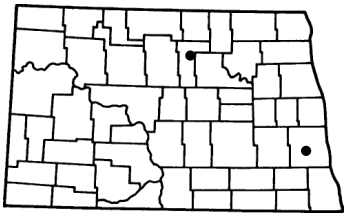
Bromopsis erecta



Distribution. MORTON. Introduced.

Sources: 29, 39.

33 (748). *Bromus hordeaceus* L., soft brome

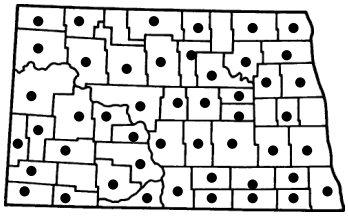


Distribution. CASS, PIERCE. Introduced.

Sources: 29, 39, 40, 41, 43, *27*.

34 (749). *Bromus inermis* Leyss., smooth brome

Bromopsis inermis



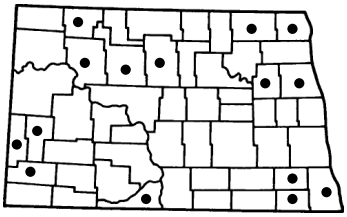
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 12, 13, 14, 17, 18, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 40, 42, 43, 44, 45, 5, 6, 7, 8, 9, *18*, *19*, *32*, *41*, *43*, *7*.

Photographed in VII–X.

35 (750). *Bromus kalmii* A. Gray, arctic brome

Bromopsis kalmii, Bromus purgans, Bromus purgans

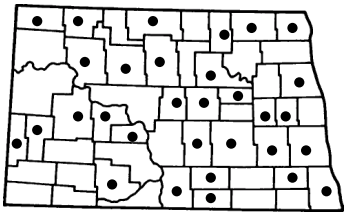


Distribution. BILLINGS, BURKE, CAVALIER, GOLDEN VALLEY, GRAND FORKS, MCHENRY, MOUNTRAIL, NELSON, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, WARD.

Sources: 14, 18, 29, 35, 39, 43, 7, *13*, *17*, *25*, *27*, *30*, *32*, *5*, *7*.

36 (751). *Bromus latiglumis* (Shear) Hitchc., earlyleaf brome

Bromus altissimus, Bromus purgans

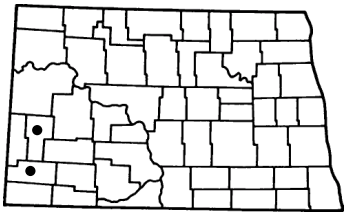


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, SHERIDAN, STEELE, STUTSMAN, TOWNER, WARD, WELLS.

Sources: 1, 11, 14, 18, 19, 25, 26, 27, 28, 29, 31, 39, 41, 43, 45, 5, 7, 8, *13*, *24*.

37 (752). *Bromus marginatus* Nees ex Steud., mountain brome

Bromus breviaristatus, Ceratochloa marginata, Ceratochloa marginata



Distribution. BILLINGS, SLOPE.

Sources: 18, 32, 41, 5.

? *Bromus mucroglumis* Wagnon, sharpglume brome

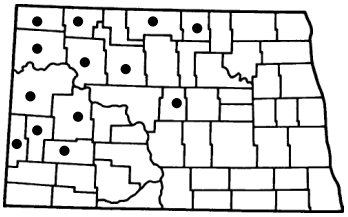
Sources: 45.

? *Bromus polyanthus* Scribn. ex Shear, Great Basin brome

Sources: 3.

38 (753). *Bromus porteri* (J.M. Coult.) Nash, Porter brome

Bromopsis porteri, Bromus anomalus

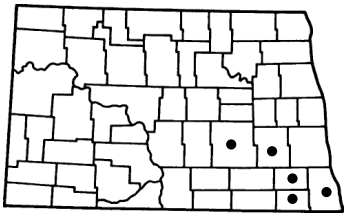


Distribution. BILLINGS, BOTTINEAU, BURKE, DIVIDE, DUNN, GOLDEN VALLEY, MCKENZIE, MOUNTRAIL, ROLETTE, SHERIDAN, STARK, WARD, WILLIAMS.

Sources: 1, 24, 29, 3, 39, 41, 43, 45, 5, 6, *13*, *17*, *27*, *28*.

39 (754). *Bromus pubescens* Muhl. ex Willd., hairy woodland brome

Bromopsis pubescens, Bromus purgans

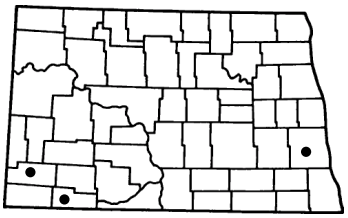


Distribution. BARNES, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 11, 26, 29, 39, 41, 43.

40 (755). *Bromus racemosus* L., bald brome

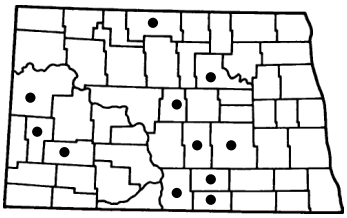
Bromus commutatus, Bromus popovii



Distribution. ADAMS, CASS, SLOPE. Introduced.

Sources: 1, 29, 39, 4, 40, 43, *3*, *45*.

41 (756). *Bromus squarrosus* L., corn brome

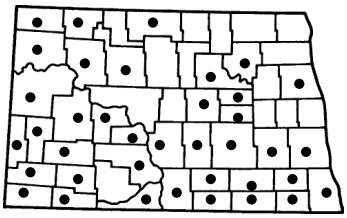


Distribution. BENSON, BILLINGS, BOTTINEAU, EMMONS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, SHERIDAN, STARK, STUTSMAN. Introduced.

Sources: 1, 11, 24, 27, 29, 31, 39, 43, 5.

42 (757). *Bromus tectorum* L., cheatgrass

Anisantha tectorum

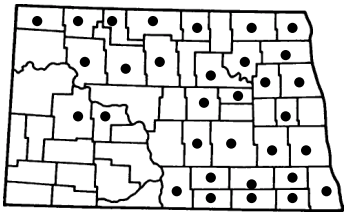


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, OLIVER, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 36, 39, 4, 40, 42, 43, 45, 5, 6, 7, 8.

Photographed in VII.

43 (758). *Calamagrostis canadensis* (Michx.) P. Beauv., bluejoint

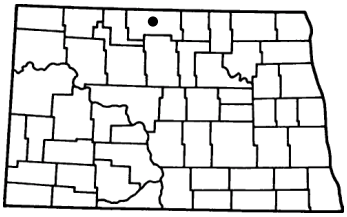


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MERCER, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, WALSH, WARD, WELLS.

Sources: 1, 11, 13, 15, 16, 18, 19, 2, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, *45*, *5*, *7*.

Photographed in VII–X.

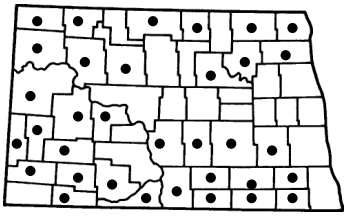
44 (759). *Calamagrostis epigeios* (L.) Roth, chee reedgrass



Distribution. BOTTINEAU. Introduced.

Sources: 29, 39, 45.

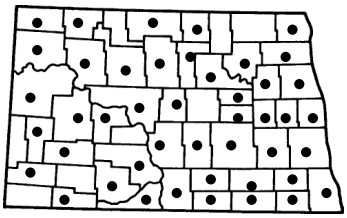
45 (760). *Calamagrostis montanensis* Scribn. ex Vasey, plains reedgrass



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 18, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 5, 6, 7, *21*, *32*.

46 (761). *Calamagrostis stricta* (Timm) Koeler, slimstem reedgrass

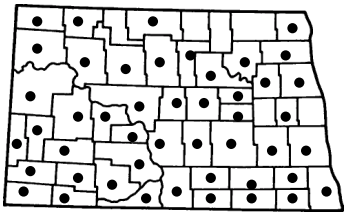


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 10, 11, 15, 16, 19, 2, 21, 24, 29, 31, 39, 4, 41, 42, 43, 45, 5, 6, 8, *13*, *17*, *18*, *1*, *25*, *26*, *27*, *28*, *30*, *31*, *32*, *3*, *43*, *45*, *6*, *7*, *9*.

Photographed in VII–VIII.

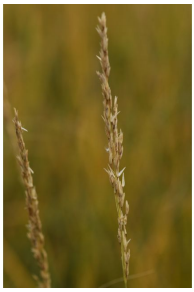
47 (762). *Calamovilfa longifolia* (Hook.) Scribn., prairie sandreed



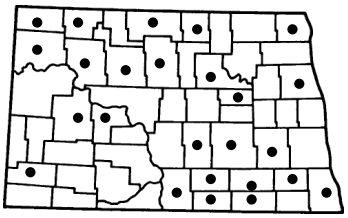
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *21*, *32*, *5*, *7*.

Photographed in VII–X.



48 (763). *Catabrosa aquatica* (L.) P. Beauv., water whorlgrass

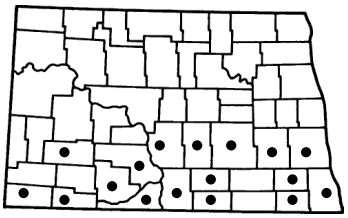


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MERCER, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, ROLETTE, SLOPE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 5, 7, 8, *32*.

49 (764). *Cenchrus longispinus* (Hack.) Fernald, mat sandbur

Cenchrus carolinianus

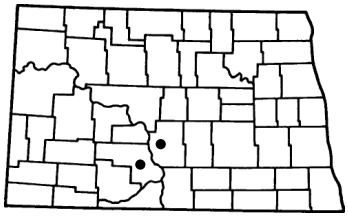


Distribution. ADAMS, BARNES, BOWMAN, BURLEIGH, CASS, EMMONS, GRANT, KIDDER, LOGAN, MCINTOSH, MORTON, RANSOM, RICHLAND, SARGENT, SIOUX, STARK, STUTSMAN.

Sources: 1, 18, 25, 26, 27, 29, 3, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7, *11*, *24*, *43*.

Photographed in VII–VIII.

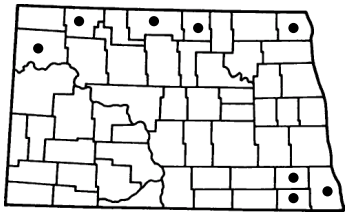
50 (765). *Chloris virgata* Sw., feather fingergrass



Distribution. BURLEIGH, MORTON.

Sources: 1, 29, 34, 39, 41, 43, 45, 5.

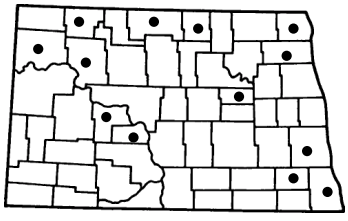
51 (766). *Cinna arundinacea* L., sweet woodreed



Distribution. BOTTINEAU, BURKE, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, WILLIAMS.

Sources: 1, 16, 25, 26, 29, 34, 39, 41, 43.

52 (767). *Cinna latifolia* (Trevis. ex Goepp.) Griseb., drooping woodreed

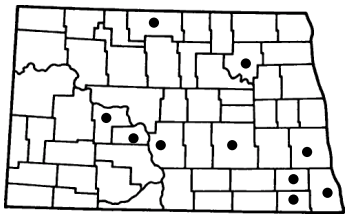


Distribution. BOTTINEAU, BURKE, CASS, EDDY, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, WALSH, WILLIAMS.

Sources: 1, 13, 16, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 45, 5, 7, 8, 7.

Photographed in X.

53 (768). *Dactylis glomerata* L., orchardgrass



Distribution. BOTTINEAU, BURLEIGH, CASS, MERCER, OLIVER, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN. Introduced.

Sources: 1, 18, 21, 26, 27, 28, 29, 3, 39, 40, 42, 43, 7.

? *Danthonia californica* Bol., California oatgrass

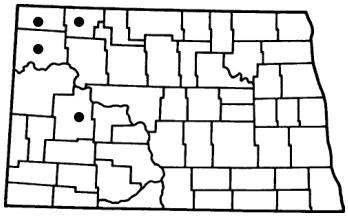
Sources: 5.

? *Danthonia parryi* Scribn., Parry's oatgrass

Sources: 5.

54 (769). *Danthonia spicata* (L.) P. Beauv. ex Roem. & Schult., poverty oatgrass

Danthonia thermalis

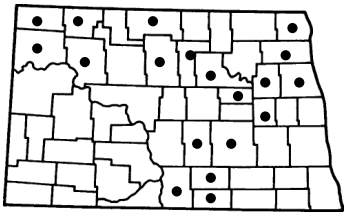


Distribution. BURKE, DIVIDE, DUNN, WILLIAMS.

Sources: 1, 13, 18, 24, 29, 39, 4, 41, 43, 45, 5.

55 (770). *Deschampsia cespitosa* (L.) P. Beauv., tufted hairgrass

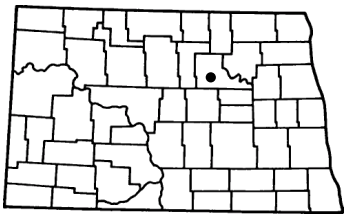
Aira caespitosa, Aira cespitosa, Deschampsia bottnica, Deschampsia caespitosa, Deschampsia caespitosa, Deschampsia glauca, Deschampsia mackenzieana, Deschampsia obensis, Deschampsia paramushirensis, Deschampsia pumila, Deschampsia sukatschewii



Distribution. BENSON, BOTTINEAU, BURKE, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, PEMBINA, PIERCE, STUTSMAN, WALSH, WILLIAMS.

Sources: 15, 16, 19, 29, 4, 41, 43, 45, 5, 8, *13*, *1*, *27*, *28*, *30*, *31*, *39*, *43*, *5*, *6*, *7*, *9*.

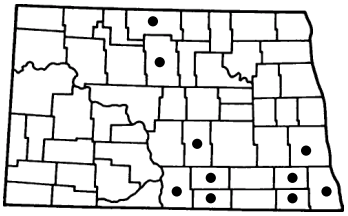
56 (771). *Deschampsia flexuosa* (L.) Trin., wavy hairgrass



Distribution. BENSON.

Sources: 29, 45, *18*.

57 (772). *Dichanthelium acuminatum* (Sw.) Gould & C.A. Clark, tapered rosette grass



Distribution. BOTTINEAU, CASS, EMMONS, KIDDER, LOGAN, MCHENRY, MCINTOSH, RANSOM, RICHLAND, SARGENT.

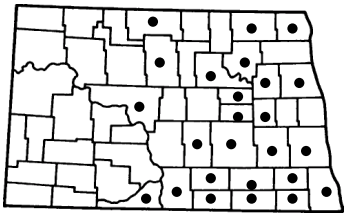
Sources: 26, 29, 39, 41, 5, *1*, *25*, *27*, *28*, *31*, *5*.

? *Dichanthelium dichotomum* (L.) Gould, cypress panicgrass

Sources: 45.

58 (773). *Dichanthelium leibergii* (Vasey) Freckmann, Leiberg's panicum

Panicum leibergii



Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN.

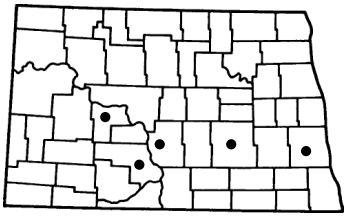
Sources: 14, 18, 19, 2, 21, 26, 29, 3, 39, 4, 41, 43, 45, 5, 8, *11*, *1*, *25*, *27*, *28*, *30*, *31*, *43*, *45*, *5*, *6*, *7*, *9*.

Photographed in VI–VII.

† *Dichanthelium leucothrix* (Nash) Freckmann, rough panicgrass

Sources: 39.

59 (774). *Dichanthelium linearifolium* (Scribn. ex Nash) Gould, slimleaf panicgrass



Distribution. BURLEIGH, CASS, MERCER, MORTON, STUTSMAN.

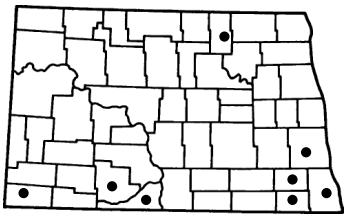
Sources: 29, 39, 41, *1*, *27*, *45*.

† *Dichanthelium longiligulatum* (Nash) Freckmann, coastal plain panicgrass

Panicum longiligulatum

Sources: 29.

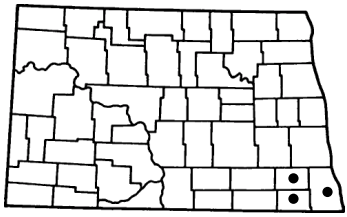
60 (775). *Dichanthelium oligosanthes* (Schult.) Gould, Heller's rosette grass



Distribution. BOWMAN, CASS, GRANT, RANSOM, RICHLAND, SARGENT, SIOUX, TOWNER.

Sources: 12, 26, 29, 3, 39, 41, 43, 5, *1*, *25*, *27*, *32*, *5*, *6*.

61 (776). *Dichanthelium villosissimum* (Nash) Freckmann, whitehair rosette grass

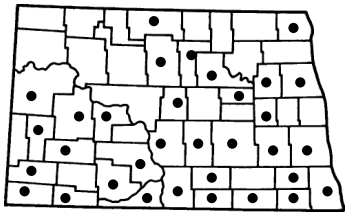


Distribution. RANSOM, RICHLAND, SARGENT.

Sources: 29, 34, 43, 5, *1*, *25*, *27*, *33*, *35*, *5*.

62 (777). *Dichanthelium wilcoxianum* (Vasey) Freckmann, fall rosette grass

Panicum wilcoxianum



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, NELSON, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN.

Sources: 18, 19, 26, 29, 3, 39, 43, 44, 45, 5, 8, *11*, *1*, *24*, *25*, *27*, *28*, *30*, *31*, *32*, *43*, *45*, *5*, *6*, *7*, *9*.

† *Diectomis fastigiata* (Sw.) P. Beauv., foldedleaf grass

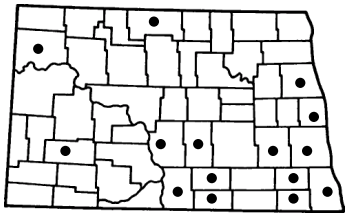
Sources: 5.

? *Digitaria filiformis* (L.) Koeler, slender crabgrass

Sources: *18*, *7*.

63 (778). *Digitaria ischaemum* (Schreb.) Schreb. ex Muhl., smooth crabgrass

Panicum ischaemum, Syntherisma ischaemum

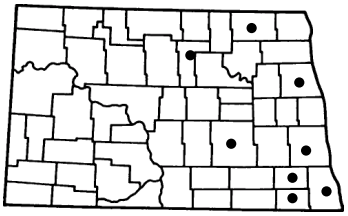


Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, RANSOM, RICHLAND, SARGENT, STARK, TRAILL, WILLIAMS. Introduced.

Sources: 1, 11, 13, 24, 25, 26, 27, 28, 29, 3, 31, 39, 43, 45, 5, 7.

64 (779). *Digitaria sanguinalis* (L.) Scop., hairy crabgrass

Panicum sanguinale, Syntherisma sanguinalis

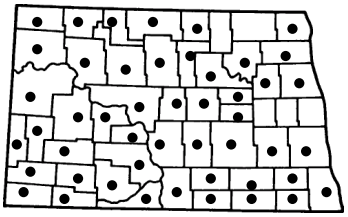


Distribution. CASS, CAVALIER, GRAND FORKS, PIERCE, RANSOM, RICHLAND, SARGENT, STUTSMAN. Introduced.

Sources: 1, 25, 26, 27, 29, 39, 43, 5, 6, *11*.

65 (780). *Distichlis spicata* (L.) Greene, saltgrass

Distichlis stricta, Uniola spicata



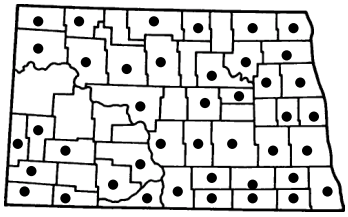
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 15, 16, 18, 19, 2, 21, 24, 26, 29, 3, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *13*, *17*, *25*, *27*, *28*, *30*, *32*, *43*, *45*, *7*, *9*.

Photographed in VI–IX.

66 (781). *Echinochloa crus-galli* (L.) P. Beauv., barnyardgrass

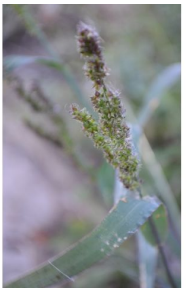
Echinochloa crusgallii, Panicum crus-galli



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MORTON, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 13, 14, 18, 29, 3, 39, 4, 40, 42, 43, 45, 5, *11*, *15*, *16*, *17*, *19*, *1*, *21*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *45*, *5*, *6*, *7*, *8*, *9*.

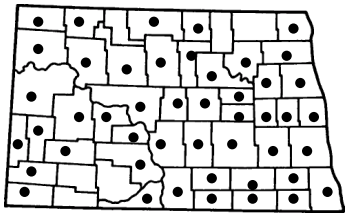
Photographed in VII–IX.



? *Echinochloa frumentacea* Link, billion-dollar grass

Sources: 18, 29.

67 (782). *Echinochloa muricata* (P. Beauv.) Fernald, rough barnyardgrass



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 12, 15, 16, 2, 21, 24, 29, 31, 39, 4, 41, 43, 44, 45, 5, 8, *19*, *28*, *45*.

Photographed in IX.

† *Eleusine indica* (L.) Gaertn., Indian goosegrass

Cynosurus indicus

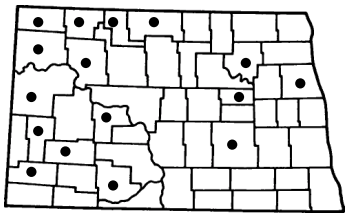
Sources: 29, 39.

? *Elymus alaskanus* (Scribn. & Merr.) A. Love, Alaskan wheatgrass

Sources: 5.

68 (783). *Elymus albicans* (Scribn. & J.G. Sm.) A. Love, Montana wheatgrass

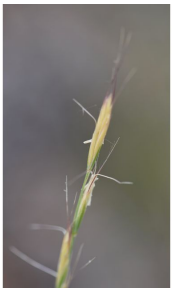
Agropyron albicans, Roegneria albicans



Distribution. BILLINGS, BOTTINEAU, BURKE, DIVIDE, EDDY, GRAND FORKS, GRANT, MCKENZIE, MERCER, MOUNTRAIL, RAMSEY, RENVILLE, SLOPE, STARK, STUTSMAN, WILLIAMS.

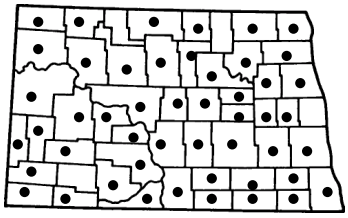
Sources: 29, 3, 39, 4, 5, *13*, *27*, *28*, *32*, *7*.

Photographed in VI–VII.



69 (784). *Elymus canadensis* L., Canada wildrye

Elymus brachystachys, Elymus crescendus, Elymus philadelphicus, Elymus robustus



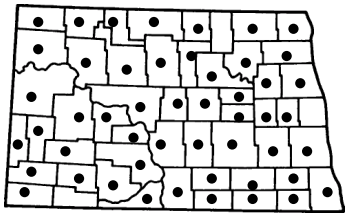
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *12*.

Photographed in VII–X.

70 (785). *Elymus caninus* (L.) L., bearded wheatgrass

Agropyron caninum, Triticum caninum

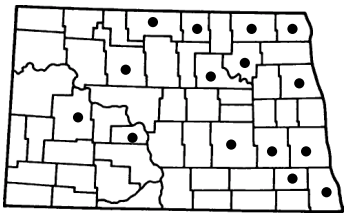


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 18, 3, 4, 42, 5, *10*, *11*, *19*, *1*, *21*, *24*, *26*, *2*, *31*, *44*, *5*, *6*, *7*, *8*.

Photographed in VII–VIII.

71 (786). *Elymus diversiglumis* Scribn. & C.R. Ball, diverseglume wildrye

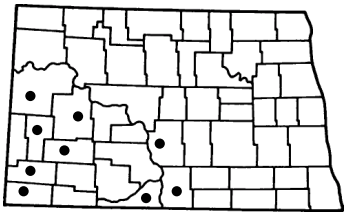


Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DUNN, GRAND FORKS, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, STUTSMAN, WARD.

Sources: 18, 29, 3, 30, 34, 39, 42, 5, *11*, *14*, *17*, *1*, *25*, *26*, *27*, *28*, *41*, *5*, *6*, *7*.

72 (787). *Elymus elymoides* (Raf.) Swezey, squirreltail

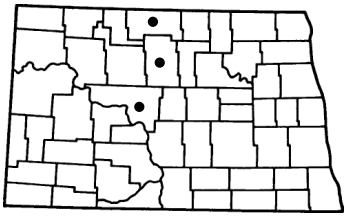
Elymus australis



Distribution. BILLINGS, BOWMAN, BURLEIGH, DUNN, EMMONS, MCKENZIE, SIOUX, SLOPE, STARK.

Sources: 29, 39, 41, 43, 45, 5, *1*, *24*, *27*, *31*, *32*, *5*, *6*, *7*.

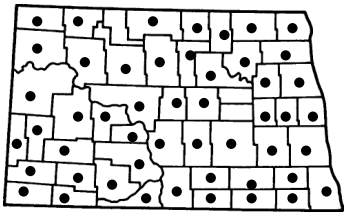
73 (788). *Elymus glaucus* Buckley, blue wildrye



Distribution. BOTTINEAU, MCHENRY, MCLEAN.

Sources: 1, 18, 29, 3, 34, 35, 39, 41, 43, 45, 7.

74 (789). *Elymus hystrix* L., eastern bottlebrush grass

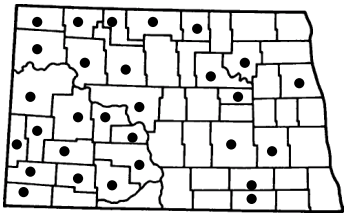


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 29, 39, 4, 41, 42, 43, 45, *11*, *1*, *21*, *25*, *26*, *27*, *28*, *30*, *45*, *5*, *6*, *7*.

Photographed in VII–VIII.

75 (790). *Elymus lanceolatus* (Scribn. & J.G. Sm.) Gould, thickspike wheatgrass



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DICKEY, DIVIDE, DUNN, EDDY, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, LAMOURE, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, RAMSEY, RENVILLE, ROLETTE, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 18, 29, 39, 4, 41, 43, 45, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *27*, *28*, *2*, *32*, *43*, *5*, *6*, *7*, *8*.

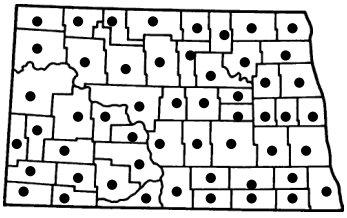
Photographed in VII–VIII.

† *Elymus macgregorii* R. Brooks & J.J.N. Campb., early wildrye

Sources: 29, 39.

76 (791). *Elymus repens* (L.) Gould, quackgrass

Agropyron repens, Elytrigia repens, Elytrigia vaillantiana, Triticum repens, Triticum vaillantianum



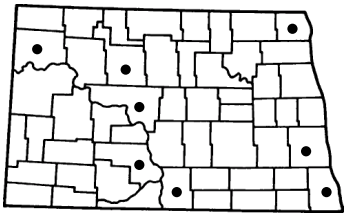
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 14, 29, 37, 39, 4, 42, 43, 45, 5, *10*, *11*, *13*, *16*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *40*, *43*, *44*, *45*, *6*, *7*, *8*, *9*.

Photographed in VI–X.

77 (792). *Elymus submuticus* (Hook.) Smyth & Smyth, Virginia wildrye

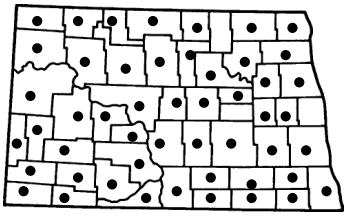
Elymus curvatus



Distribution. CASS, EMMONS, MCLEAN, MORTON, PEMBINA, RICHLAND, WARD, WILLIAMS.

Sources: 29, 41, *18*, *39*, *43*.

78 (793). *Elymus trachycaulus* (Link) Gould ex Shinners, slender wheatgrass



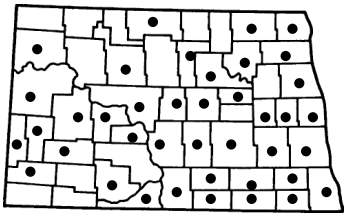
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 12, 14, 18, 29, 3, 39, 4, 41, 42, 43, 45, 5, *13*, *17*, *25*, *27*, *28*, *30*, *32*, *43*, *45*, *7*, *9*.

Photographed in VII–VIII.

79 (794). *Elymus villosus* Muhl. ex Willd., hairy wildrye

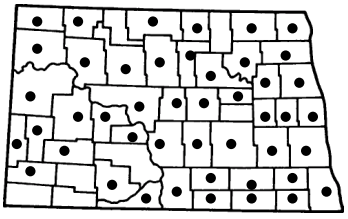
Elymus arkansanus, Terrellia villosa



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 14, 19, 2, 21, 25, 26, 27, 28, 29, 30, 31, 39, 41, 42, 43, 45, 5, 7, 8.

80 (795). *Elymus virginicus* L., Virginia wildrye

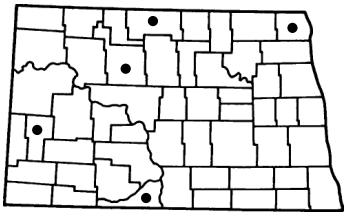


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8.

Photographed in VII–X.

81 (796). *Elymus wiegandii* Fernald, Wiegand's wildrye



Distribution. BILLINGS, BOTTINEAU, PEMBINA, SIOUX, WARD.

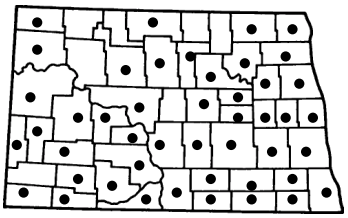
Sources: 28, 29, 30, 39, 43, 45, 5, *32*.

? *Elymus* ×*pseudorepens* (Scribn. & J.G. Sm.) Barkworth & D.R. Dewey, creeping wildrye

Sources: *18*.

82 (797). *Eragrostis cilianensis* (All.) Vign. ex Janchen, stinkgrass

Eragrostis major, Eragrostis megastachya, Poa cilianensis



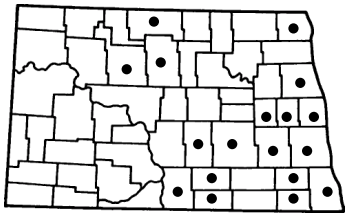
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 43, 44, 45, 5, 6, 7, 8.

Photographed in VII–X.

83 (798). *Eragrostis hypnoides* (Lam.) Britton, Sterns & Poggenb., teal lovegrass

Poa hypnoides



Distribution. BARNES, BOTTINEAU, CASS, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, PEMBINA, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, TRAILL, WARD.

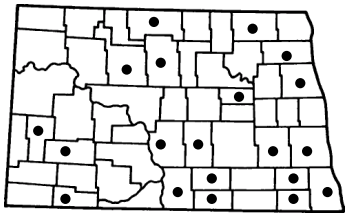
Sources: 1, 11, 14, 15, 16, 18, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 5, 6, 7, *17*, *25*.

Photographed in VII–VIII.

† *Eragrostis mexicana* (Hornem.) Link, Mexican lovegrass

Sources: 29, 39.

84 (799). *Eragrostis pectinacea* (Michx.) Nees ex Steud., tufted lovegrass



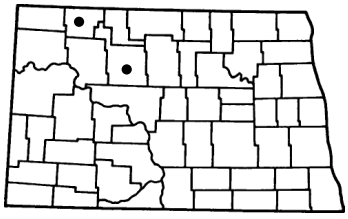
Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BURLEIGH, CASS, CAVALIER, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, RANSOM, RICHLAND, SARGENT, STARK, WALSH, WARD.

Sources: 1, 10, 24, 25, 27, 28, 29, 31, 32, 39, 4, 41, 43, 45, 5, 7, *17*, *26*.

Photographed in VII.

85 (800). *Eragrostis pilosa* (L.) P. Beauv., Indian lovegrass

Eragrostis multicaulis, Eragrostis perplexa, Poa pilosa

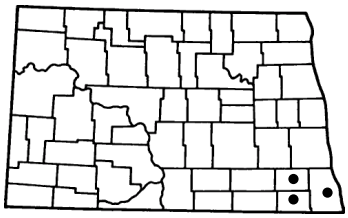


Distribution. BURKE, WARD. Introduced.

Sources: 29, 39, 4, 41.

86 (801). *Eragrostis spectabilis* (Pursh) Steud., purple lovegrass

Poa spectabilis

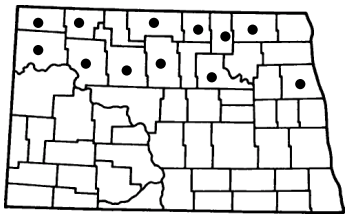


Distribution. RANSOM, RICHLAND, SARGENT.

Sources: 1, 25, 26, 29, 34, 35, 39, 41, 43, 5.

87 (802). *Festuca altaica* Trin., Altai fescue

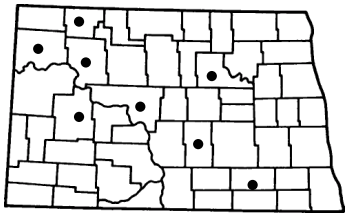
Festuca scabrella



Distribution. BENSON, BOTTINEAU, BURKE, CAVALIER, DIVIDE, GRAND FORKS, MCHENRY, MOUNTRAIL, ROLETTE, TOWNER, WARD, WILLIAMS.

Sources: 4, 43, 5, *13*, *17*, *1*, *27*, *28*, *45*, *6*, *7*.

88 (803). *Festuca brachyphylla* Schult. ex Schult. & Schult. f., alpine fescue



Distribution. BENSON, BURKE, DUNN, KIDDER, LAMOURE, MCLEAN, MOUNTRAIL, WILLIAMS.

Sources: 43, 45, 5.

† *Festuca brevipila* Tracey, hard fescue

Festuca cinerea, Festuca duriuscula, Festuca michiganica, Festuca ovina, Festuca trachyphylla, Festuca trachyphylla

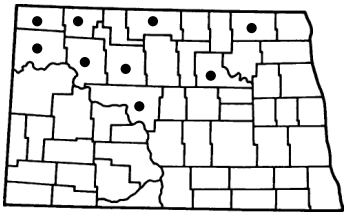
Sources: 29.

? *Festuca campestris* Rydb., rough fescue

Sources: 41.

89 (804). *Festuca hallii* (Vasey) Piper, plains rough fescue

Melica hallii



Distribution. BENSON, BOTTINEAU, BURKE, CAVALIER, DIVIDE, MCLEAN, MOUNTRAIL, WARD, WILLIAMS.

Sources: 18, 29, 3, 34, 39, 4, 41, 43, 45.

? *Festuca idahoensis* Elmer, Idaho fescue

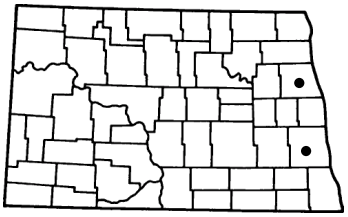
Sources: 7.

? *Festuca paradoxa* Desv., clustered fescue

Festuca nutans, Festuca shortii

Sources: 18.

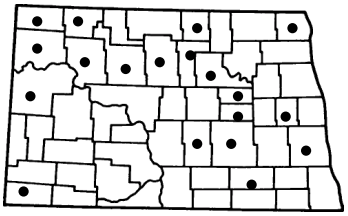
90 (805). *Festuca rubra* L., red fescue



Distribution. CASS, GRAND FORKS. Introduced.

Sources: 29, 39, 43.

91 (806). *Festuca saximontana* Rydb., Rocky Mountain fescue

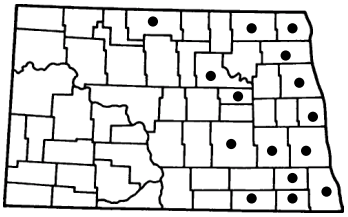


Distribution. BENSON, BOWMAN, BURKE, CASS, DIVIDE, EDDY, FOSTER, KIDDER, LAMOURE, MCHENRY, MCKENZIE, MOUNTRAIL, PEMBINA, PIERCE, ROLETTE, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 29, 39, 41, 43, 45, 5, 7.

92 (807). *Festuca subverticillata* (Pers.) Alexeev, nodding fescue

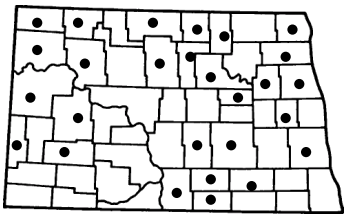
Festuca obtusa



Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DICKEY, EDDY, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, TRAILL, WALSH.

Sources: 14, 29, 39, 41, 42, 43, 45, 5, *11*, *19*, *1*, *25*, *26*, *27*, *28*, *30*, *5*, *6*, *7*, *8*.

93 (808). *Festuca trachyphylla* (Hack.) Hack., hard fescue



Distribution. BENSON, BOTTINEAU, BURKE, CASS, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MOUNTRAIL, NELSON, PEMBINA, PIERCE, ROLETTE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WILLIAMS. Introduced.

Sources: 39, 4, *11*, *13*, *18*, *19*, *1*, *24*, *27*, *28*, *30*, *31*, *3*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

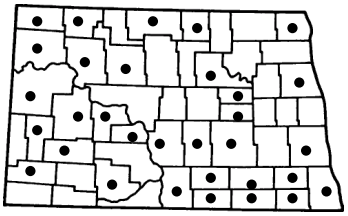
? *Festuca viridula* Vasey, greenleaf fescue

Festuca howellii

Sources: 18.

94 (809). *Glyceria borealis* (Nash) Batchelder, small floating mannagrass

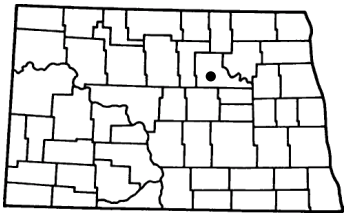
Panicularia borealis



Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8.

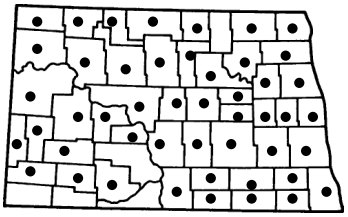
95 (810). *Glyceria fluitans* (L.) R. Br., water mannagrass



Distribution. BENSON. Introduced.

Sources: 7.

96 (811). *Glyceria grandis* S. Watson, American mannagrass



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9.

Photographed in VII–VIII.

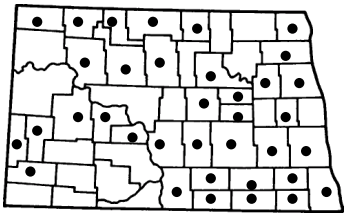
? *Glyceria maxima* (Hartm.) Holmb., reed mannagrass

Glyceria spectabilis, Molinia maxima

Sources: 5.

97 (812). *Glyceria striata* (Lam.) Hitchc., fowl mannagrass

Glyceria elata, Glyceria nervata, Panicularia nervata, Panicularia striata

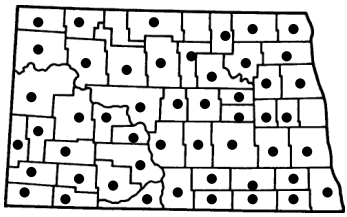


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STEELE, STUTSMAN, WALSH, WARD, WELLS.

Sources: 1, 11, 13, 14, 15, 16, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *45*.

98 (813). *Hesperostipa comata* (Trin. & Rupr.) Barkworth, needle and thread

Stipa comata



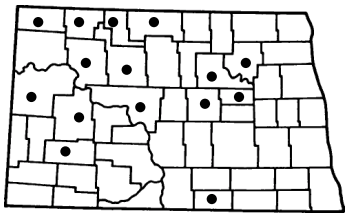
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 18, 29, 3, 39, 4, 42, 43, 45, 5, *10*, *11*, *12*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *44*, *45*, *6*, *7*, *8*, *9*.

Photographed in VI–VII.

99 (814). *Hesperostipa curtiseta* (Hitchc.) Barkworth, shortbristle needle and thread

Stipa curtiseta



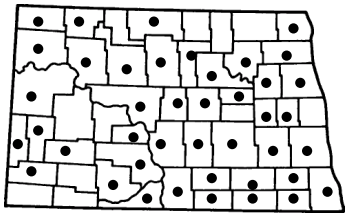
Distribution. BENSON, BOTTINEAU, BURKE, DIVIDE, DUNN, EDDY, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, RAMSEY, RENVILLE, STARK, WARD, WELLS.

Sources: 29, 39, 4, 5, *19*, *21*, *24*, *41*, *8*.

Photographed in VII.

100 (815). *Hesperostipa spartea* (Trin.) Barkworth, porcupinegrass

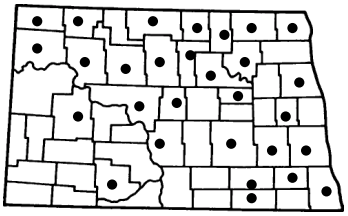
Stipa spartea



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 18, 29, 3, 39, 4, 42, 43, 45, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *41*, *44*, *5*, *6*, *7*, *8*, *9*.

101 (816). *Hierochloë hirta* (Schrank) Borbas, northern sweetgrass

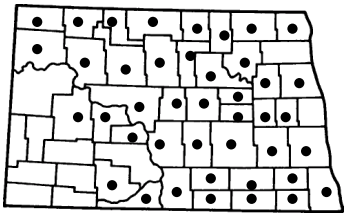


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, GRAND FORKS, GRANT, LAMOURE, MCHENRY, MCLEAN, MOUNTRAIL, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SHERIDAN, STEELE, STUTSMAN, TOWNER, WARD, WILLIAMS.

Sources: 29, 4, 41, 43, *39*, *45*, *5*.

102 (817). *Hierochloë odorata* (L.) P. Beauv., sweetgrass

Anthoxanthum nitens, Hierochloë nashii, Holcus odoratus, Savastana nashii, Savastana odorata, Torresia odorata, Anthoxanthum arcticum



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 10, 11, 13, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 31, 4, 43, 44, 45, 5, 6, 7, 8, *18*, *1*, *30*, *3*, *7*, *9*.

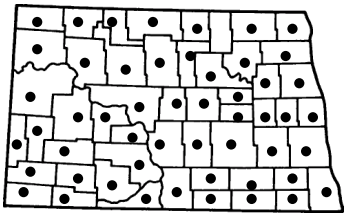
Photographed in V–VI.

† *Holcus lanatus* L., common velvetgrass

Nothoholcus lanatus

Sources: 29, 39.

103 (818). *Hordeum jubatum* L., foxtail barley



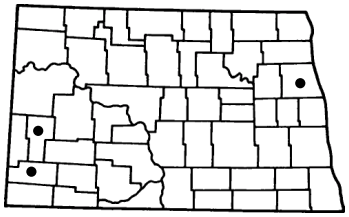
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, 9, *41*, *44*, *9*.

Photographed in VI–X.

104 (819). *Hordeum pusillum* Nutt., little barley

Critesion pusillum



Distribution. BILLINGS, GRAND FORKS, SLOPE.

Sources: 1, 29, 34, 39, 41, 43, 5, 7, *32*, *5*.

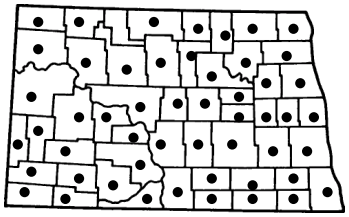
* *Hordeum vulgare* L., common barley

Hordeum aegiceras, Hordeum distichon, Hordeum hexastichon, Hordeum hexastichum, Hordeum irregulare, Hordeum sativum

Sources: 18, 29, 31, 38, 39, 43, 45, 5, 7.

105 (820). *Koeleria macrantha* (Ledeb.) Schult., prairie Junegrass

Koeleria albescens, Koeleria cristata, Koeleria gracilis, Koeleria nitida, Koeleria pyramidata, Koeleria yukonensis

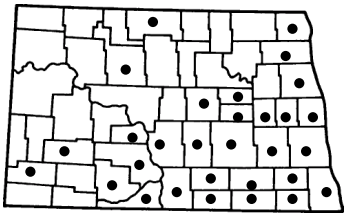


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 12, 13, 14, 29, 30, 39, 4, 41, 42, 43, 45, 5, *10*, *11*, *17*, *19*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *44*, *45*, *6*, *7*, *8*, *9*.
Photographed in VI–IX.

106 (821). *Leersia oryzoides* (L.) Sw., rice cutgrass

Homalocenchrus oryzoides, Phalaris oryzoides



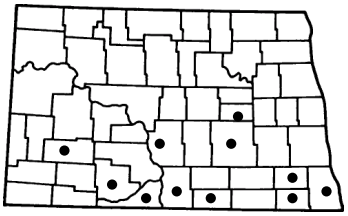
Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 11, 14, 15, 16, 17, 18, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, *19*, *5*.

Photographed in VIII.

107 (822). *Leersia virginica* Willd., whitegrass

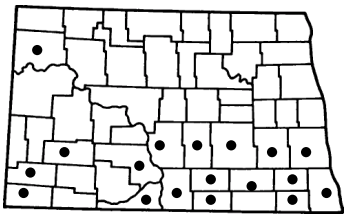
Homalocenchrus virginicus



Distribution. BURLEIGH, EMMONS, FOSTER, GRANT, MCINTOSH, RANSOM, RICHLAND, SARGENT, SIOUX, STARK, STUTSMAN.

Sources: 1, 25, 26, 27, 29, 35, 39, 41, 43, 5, 6.

108 (823). *Leptochloa fusca* (L.) Kunth, Malabar sprangletop



Distribution. BARNES, BOWMAN, BURLEIGH, CASS, EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WILLIAMS.

Sources: 29, 4, 41, 43, 5, *11*, *13*, *15*, *16*, *1*, *25*, *26*, *27*, *31*, *32*, *39*, *3*, *6*.

? *Leymus arenarius* (L.) Hochst., sand ryegrass

Elymus arenarius

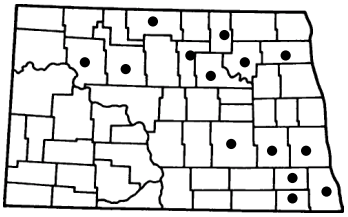
Sources: 5.

? *Leymus cinereus* (Scribn. & Merr.) A. Love, basin wildrye

Aneurolepidium piperi, Elymus cinereus, Elymus piperi

Sources: *6*.

109 (824). *Lolium perenne* L., perennial ryegrass



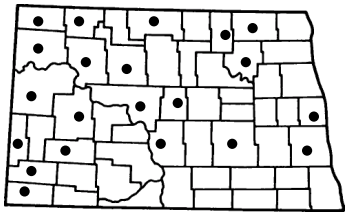
Distribution. BARNES, BENSON, BOTTINEAU, CASS, MOUNTRAIL, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN, TOWNER, WALSH, WARD. Introduced.

Sources: 1, 11, 17, 25, 26, 27, 28, 29, 3, 39, 4, 40, 41, 43, 5, *7*.

Photographed in VII–X.

110 (825). *Lolium persicum* Boiss. & Hohen. ex Boiss., Persian ryegrass

Lolium dorei

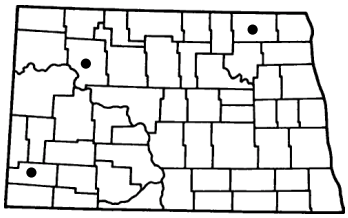


Distribution. BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, DUNN, GOLDEN VALLEY, MCKENZIE, MCLEAN, MOUNTRAIL, RAMSEY, SHERIDAN, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 21, 24, 28, 29, 32, 39, 4, 43, 45, 5.

111 (826). *Lolium rigidum* Gaudin, Wimmera ryegrass

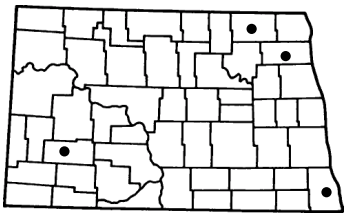
Lolium loliaceum, Lolium strictum, Lolium subulatum



Distribution. CAVALIER, MOUNTRAIL, SLOPE. Introduced.

Sources: 27, 39.

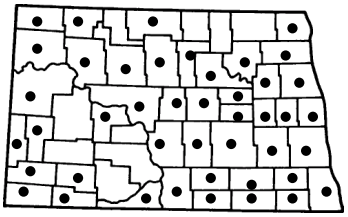
112 (827). *Lolium temulentum* L., Darnel ryegrass



Distribution. CAVALIER, RICHLAND, STARK, WALSH. Introduced.

Sources: 24, 25, 26, 27, 29, 3, 39, 43, 5.

113 (828). *Muhlenbergia asperifolia* (Nees & Meyen ex Trin.) Parodi, scratchgrass

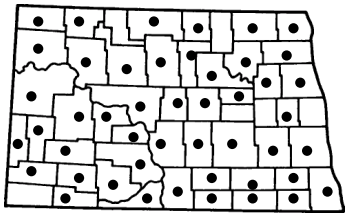


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, *13*, *30*, *32*, *9*.

Photographed in VII–IX.

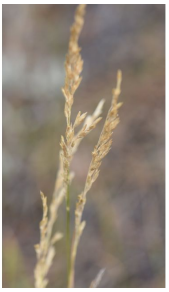
114 (829). *Muhlenbergia cuspidata* (Torr. ex Hook.) Rydb., plains muhly



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 14, 17, 18, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, 9, *12*, *13*, *19*, *3*, *44*.

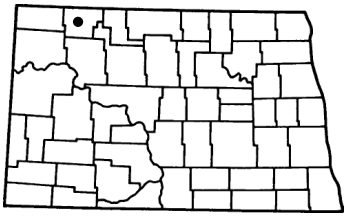
Photographed in VII–X.



? *Muhlenbergia filiculmis* Vasey, slimstem muhly

Sources: 29.

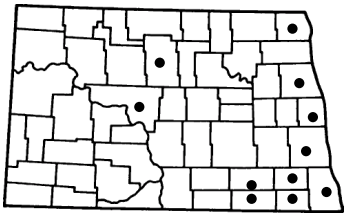
115 (830). *Muhlenbergia filiformis* (Thurb. ex S. Watson) Rydb., pullup muhly



Distribution. BURKE.

Sources: 29, 34, 35, 39, 41, 43, 5.

116 (831). *Muhlenbergia frondosa* (Poir.) Fernald, wirestem muhly

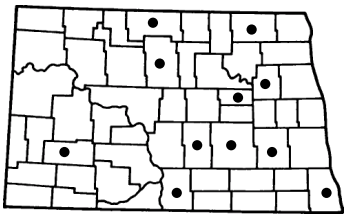


Distribution. CASS, DICKEY, GRAND FORKS, LAMOURE, MCHENRY, MCLEAN, PEMBINA, RANSOM, RICHLAND, SARGENT, TRAILL.

Sources: 1, 14, 2, 25, 26, 29, 39, 4, 41, 42, 43, 45, 5, 7.

Photographed in VII–IX.

117 (832). *Muhlenbergia glomerata* (Willd.) Trin., spiked muhly



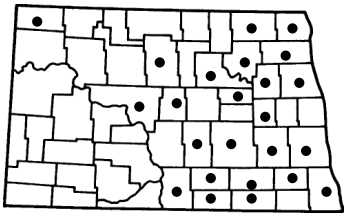
Distribution. BARNES, BOTTINEAU, CAVALIER, EDDY, EMMONS, KIDDER, MCHENRY, NELSON, RICHLAND, STARK, STUTSMAN.

Sources: 1, 15, 16, 19, 29, 39, 4, 41, 43, 45, 5, 6, 8.

Photographed in VII–IX.

118 (833). *Muhlenbergia mexicana* (L.) Trin., Mexican muhly

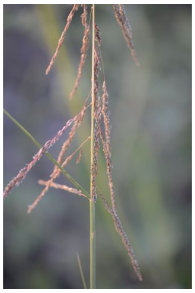
Agrostis mexicana, Muhlenbergia ambigua



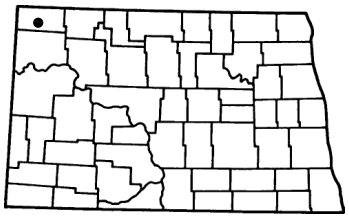
Distribution. BARNES, BENSON, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SHERIDAN, STUTSMAN, WALSH.

Sources: 1, 14, 15, 16, 18, 2, 21, 27, 29, 3, 31, 39, 4, 41, 42, 43, 45, 5, 7, 8, *19*, *27*, *45*.

Photographed in VII.



119 (834). *Muhlenbergia minutissima* (Steud.) Swallen, annual muhly

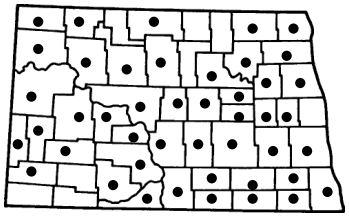


Distribution. DIVIDE.

Sources: 4.

120 (835). *Muhlenbergia racemosa* (Michx.) Britton, Sterns & Poggenb., marsh muhly

Agrostis racemosa



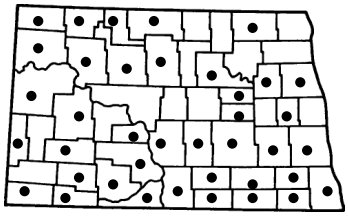
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, 9.

Photographed in X.

121 (836). *Muhlenbergia richardsonis* (Trin.) Rydb., mat muhly

Muhlenbergia squarrosa



Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MORTON, MOUNTRAIL, NELSON, OLIVER, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 10, 11, 15, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7, 8, 9, *13*, *16*, *1*, *7*.

Photographed in VII–VIII.

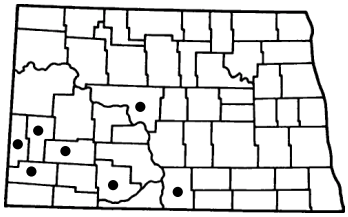
? *Muhlenbergia sylvatica* (Torr.) Torr. ex A. Gray, woodland muhly

Agrostis sylvatica, Muhlenbergia umbrosa, Muhlenbergia monticola

Sources: 18.

122 (837). *Munroa squarrosa* (Nutt.) Torr., false buffalograss

Monroa squarrosa

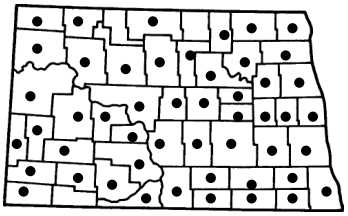


Distribution. BILLINGS, EMMONS, GOLDEN VALLEY, GRANT, MCLEAN, SLOPE, STARK.

Sources: 1, 18, 24, 27, 29, 3, 31, 32, 39, 43, 5, *41*, *43*.

123 (838). *Nassella viridula* (Trin.) Barkworth, green needlegrass

Stipa viridula, Cardamine curvisiliqua, Nasturtium stylosum

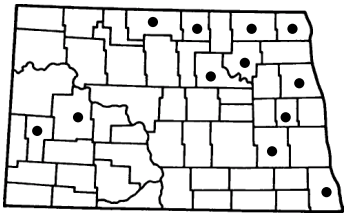


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 12, 14, 18, 29, 3, 39, 4, 41, 42, 43, 45, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII–IX.

124 (839). *Oryzopsis asperifolia* Michx., roughleaf ricegrass



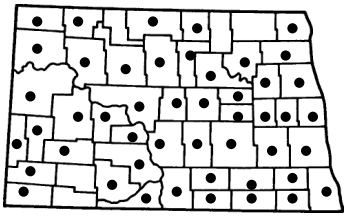
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CAVALIER, DUNN, GRAND FORKS, PEMBINA, RAMSEY, RICHLAND, ROLETTE, STEELE.

Sources: 1, 11, 14, 18, 21, 24, 25, 26, 27, 28, 29, 3, 39, 4, 41, 43, 45, 5, 7, *30*, *7*.

Photographed in VI–VII.

125 (840). *Panicum capillare* L., witchgrass

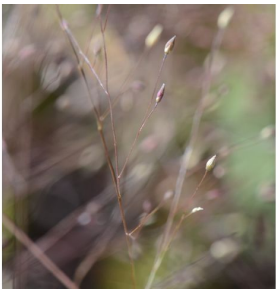
Panicum barbipulvinatum

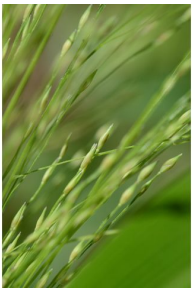


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 14, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, 9, *13*, *17*, *27*, *29*, *32*, *41*, *43*, *45*.

Photographed in VII–X.



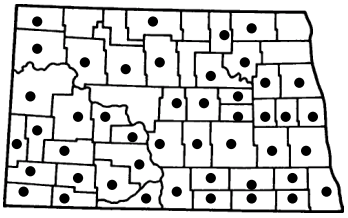


* *Panicum miliaceum* L., proso millet

Sources: 1, 11, 13, 17, 2, 24, 25, 26, 27, 28, 29, 3, 30, 38, 39, 4, 40, 43, 45, 5, 6, 7, *27*, *5*.

Photographed in IX.

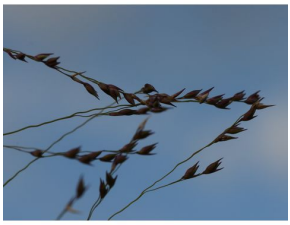
126 (841). *Panicum virgatum* L., switchgrass



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

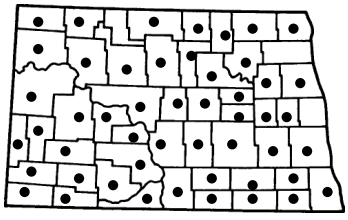
Sources: 1, 10, 11, 12, 13, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9.

Photographed in VII–X.



127 (842). *Pascopyrum smithii* (Rydb.) A. Love, western wheatgrass

Agropyron molle, Agropyron smithii, Elymus smithii, Elytrigia smithii

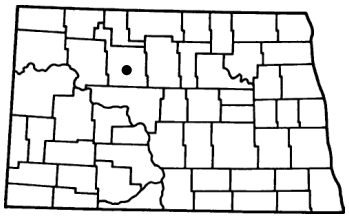


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 12, 18, 29, 3, 39, 4, 41, 42, 43, 45, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII–IX.

128 (843). *Paspalum setaceum* Michx., thin paspalum

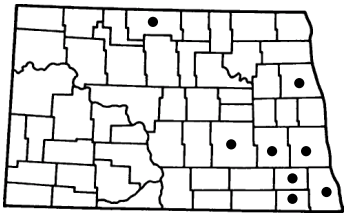


Distribution. WARD.

Sources: 4.

Photographed in X.

129 (844). *Patis racemosa* (Sm.) Romasch., P.M. Peterson & R. J. Soreng, blackseed ricegrass



Distribution. BARNES, BOTTINEAU, CASS, GRAND FORKS, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 29, 39, 4, *11*, *14*, *1*, *25*, *26*, *27*, *28*, *3*, *41*, *42*, *43*, *45*, *6*, *7*.

Photographed in VII.

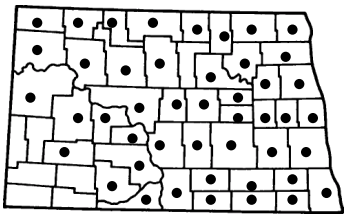
† *Pennisetum glaucum* (L.) R. Br., pearl millet

Panicum americanum, Pennisetum americanum, Pennisetum typhoides

Sources: 29, 3.

130 (845). *Phalaris arundinacea* L., reed canarygrass

Phalaroides arundinacea

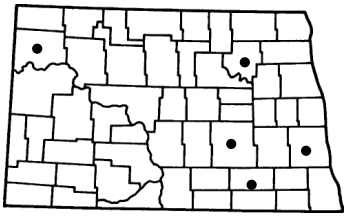


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 40, 42, 43, 44, 45, 48, 5, 6, 7, 8, 9, *5*.

Photographed in VI–X.

131 (846). *Phalaris canariensis* L., annual canarygrass

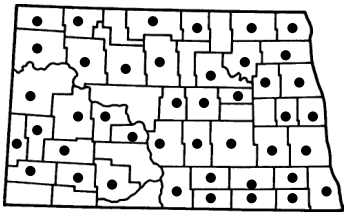


Distribution. CASS, LAMOURE, RAMSEY, STUTSMAN, WILLIAMS. Introduced.

Sources: 1, 13, 18, 21, 27, 29, 3, 39, 40, 5, 7.

132 (847). *Phleum pratense* L., timothy

Phleum nodosum



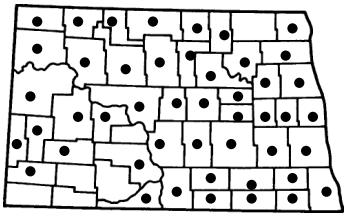
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 13, 14, 16, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 40, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *17*, *32*.

Photographed in VII–VIII.

133 (848). *Phragmites australis* (Cav.) Trin. ex Steud., common reed

Phragmites communis, Phragmites phragmites



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 18, 19, 21, 24, 25, 26, 29, 30, 31, 32, 39, 4, 40, 41, 42, 43, 44, 45, 48, 5, 6, 7, *17*, *27*, *28*, *2*, *43*, *45*, *7*, *8*, *9*.

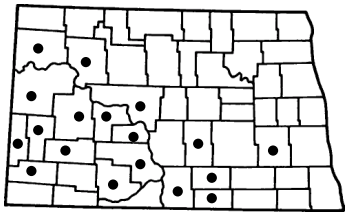
Photographed in VII–X.

? *Piptatheropsis exigua* (Thurb.) Romasch., P.M. Peterson & R.J. Soreng, little ricegrass

Sources: *5*.

134 (849). *Piptatheropsis micrantha* (Trin. & Rupr.) Romasch., P.M. Peterson & R.J. Soreng, littleseed ricegrass

Oryzopsis micrantha, Piptatherum micranthum, Stipa divaricata

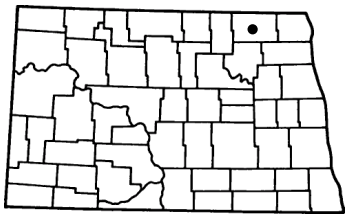


Distribution. BARNES, BILLINGS, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, SLOPE, STARK, WILLIAMS.

Sources: 29, 39, 4, *11*, *13*, *18*, *1*, *24*, *27*, *31*, *32*, *3*, *41*, *43*, *45*, *5*, *6*, *7*.

135 (850). *Piptatheropsis pungens* (Torr.) Romasch., P.M. Peterson & R.J. Soreng, mountain ricegrass

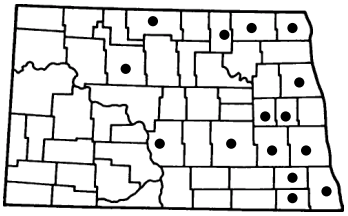
Oryzopsis pungens, Piptatherum pungens



Distribution. CAVALIER.

Sources: 29, 39, *34*, *35*, *41*, *43*, *5*.

136 (851). *Poa annua* L., annual bluegrass

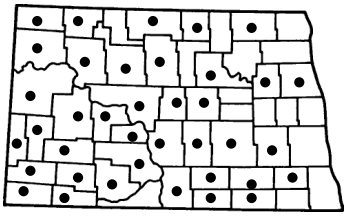


Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, CAVALIER, GRAND FORKS, GRIGGS, PEMBINA, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, TOWNER, WARD. Introduced.

Sources: 1, 11, 17, 25, 26, 27, 28, 29, 3, 30, 39, 40, 43, 5, 7.

137 (852). *Poa arida* Vasey, plains bluegrass

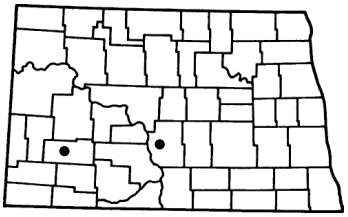
Poa pseudopratensis



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, RANSOM, ROLETTE, SHERIDAN, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 16, 17, 18, 2, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, *11*, *13*, *17*, *1*, *24*, *27*, *32*, *41*, *43*, *45*, *9*.

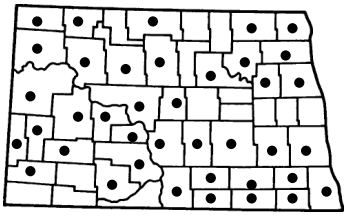
138 (853). *Poa bulbosa* L., bulbous bluegrass



Distribution. BURLEIGH, STARK. Introduced.

Sources: 24, 27, 29, 39, 40, 41, 43, 45, 5.

139 (854). *Poa compressa* L., Canada bluegrass

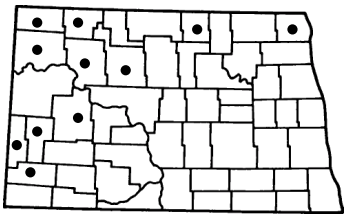


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STUTSMAN, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 10, 11, 13, 14, 16, 18, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 42, 43, 45, 5, 6, 7, 9.

Photographed in VI–X.

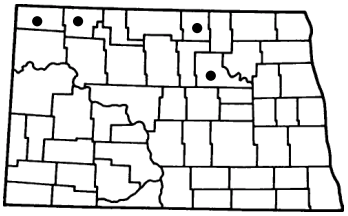
140 (855). *Poa cusickii* Vasey, Cusick's bluegrass



Distribution. BILLINGS, BURKE, DIVIDE, DUNN, GOLDEN VALLEY, MOUNTRAIL, PEMBINA, ROLETTE, SLOPE, WARD, WILLIAMS.

Sources: 1, 13, 17, 27, 29, 30, 32, 39, 4, 41, 44, 5, 7, *17*, *27*.

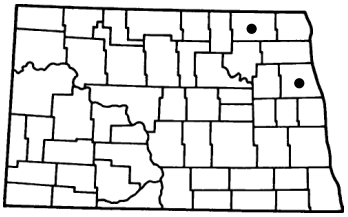
141 (856). *Poa fendleriana* (Steud.) Vasey, muttongrass



Distribution. BENSON, BURKE, DIVIDE, ROLETTE.

Sources: 1, 13, 18, 29, 39, 4, 41, 43, *27*.

142 (857). *Poa glauca* Vahl, glaucous bluegrass



Distribution. CAVALIER, GRAND FORKS.

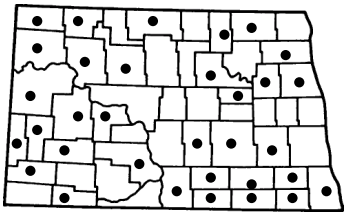
Sources: 18, 43, 45, 7, *43*.

? *Poa macrocalyx* Trautv. & C.A. Mey., largeglume bluegrass

Poa hispidula, Poa norbergii, Poa turneri

Sources: 5.

143 (858). *Poa nemoralis* L., wood bluegrass

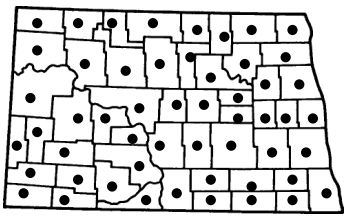


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, RANSOM, RICHLAND, SARGENT, SLOPE, STARK, STUTSMAN, TOWNER, WALSH, WARD, WILLIAMS. Introduced.

Sources: 14, 18, 29, 3, 39, 4, 45, 5, 9, *11*, *13*, *17*, *18*, *19*, *1*, *24*, *25*, *26*, *27*, *28*, *2*, *31*, *32*, *41*, *43*, *45*, *6*, *7*, *8*.

144 (859). *Poa palustris* L., fowl bluegrass

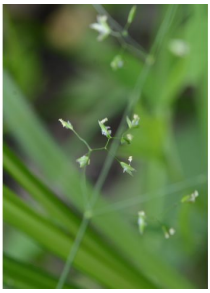
Poa crocata, Poa eyerdamii

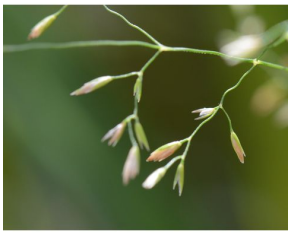


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

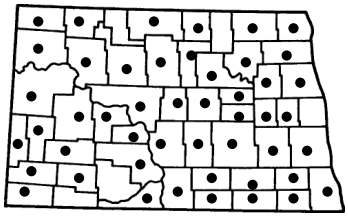
Sources: 1, 10, 11, 13, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, 9, *43*.

Photographed in VII–IX.





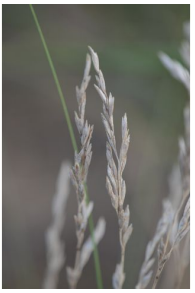
145 (860). *Poa pratensis* L., Kentucky bluegrass

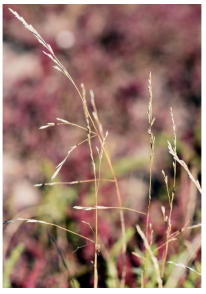


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 42, 43, 44, 45, 5, 6, 7, 8, *9*.

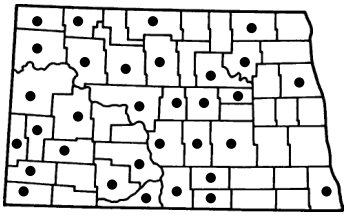
Photographed in VI–X.





146 (861). *Poa secunda* J. Presl, Sandberg bluegrass

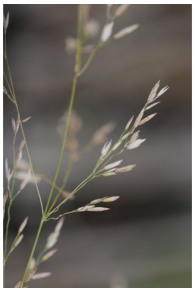
Festuca oregona, Poa ampla, Poa brachyglossa, Poa buckleyana, Poa canbyi, Poa englishii, Poa gracillima, Poa incurva, Poa laevigata, Poa nevadensis, Poa orcuttiana, Poa sandbergii, Poa scabrella



Distribution. BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, RAMSEY, RICHLAND, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 12, 17, 18, 27, 28, 29, 3, 39, 4, 41, 42, 43, 45, 5, 7, *13*, *19*, *1*, *24*, *27*, *31*, *32*, *33*, *41*, *44*, *5*, *6*, *7*, *8*.

Photographed in VIII–X.

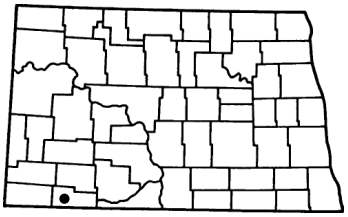


? *Poa stenantha* Trin., northern bluegrass

Poa macroclada

Sources: 27.

147 (862). *Poa trivialis* L., rough bluegrass



Distribution. ADAMS. Introduced.

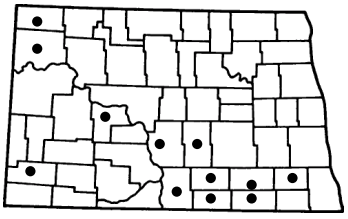
Sources: 20.

† *Poa* ×*nematophylla* Rydb., skyline bluegrass

Sources: *29*, *39*.

148 (863). *Polypogon monspeliensis* (L.) Desf., annual rabbitsfoot grass

Alopecurus monspeliensis

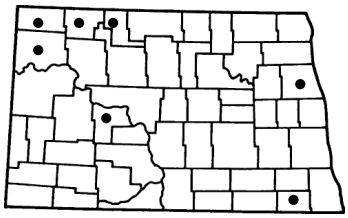


Distribution. BURLEIGH, DICKEY, DIVIDE, EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MERCER, RANSOM, SLOPE, WILLIAMS. Introduced.

Sources: 1, 13, 15, 16, 2, 29, 31, 39, 4, 40, 45, 5, 6, *32*, *7*.

149 (864). *Psathyrostachys juncea* (Fisch.) Nevski, Russian wildrye

Elymus junceus, Leymostachys korovinii

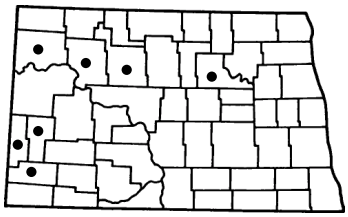


Distribution. BURKE, DIVIDE, GRAND FORKS, MERCER, RENVILLE, SARGENT, WILLIAMS. Introduced.

Sources: 29, 39, 4, 43, 5, *13*, *27*, *5*, *6*, *7*.

Photographed in IX.

150 (865). *Pseudoroegneria spicata* (Pursh) A. Love, bluebunch wheatgrass

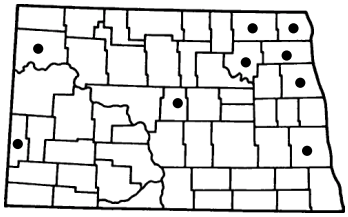


Distribution. BENSON, BILLINGS, GOLDEN VALLEY, MOUNTRAIL, SLOPE, WARD, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 41, 43, 45, 5, *13*, *17*, *1*, *27*, *32*, *45*, *5*, *7*.

151 (866). *Puccinellia distans* (Jacq.) Parl., weeping alkaligrass

Glyceria borreri, Puccinellia borreri



Distribution. CASS, CAVALIER, GOLDEN VALLEY, GRAND FORKS, PEMBINA, RAMSEY, SHERIDAN, WALSH, WILLIAMS. Introduced.

Sources: 10, 15, 16, 29, 39, 5, 7.

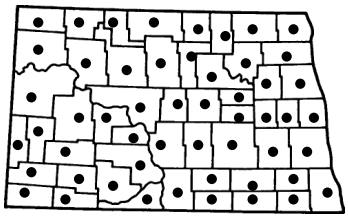
? *Puccinellia maritima* (Huds.) Parl., seaside alkaligrass

Glyceria maritima

Sources: 18.

152 (867). *Puccinellia nuttalliana* (Schult.) Hitchc., Nuttall's alkaligrass

Puccinellia airoides, Puccinellia cusickii

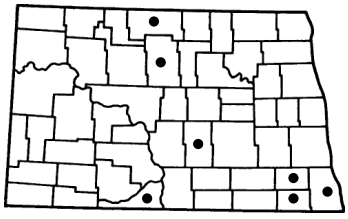


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 15, 16, 19, 21, 24, 25, 27, 29, 30, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, *10*, *13*, *15*, *16*, *17*, *19*, *1*, *24*, *26*, *28*, *2*, *31*, *32*, *41*, *7*, *8*, *9*.

Photographed in VII–VIII.

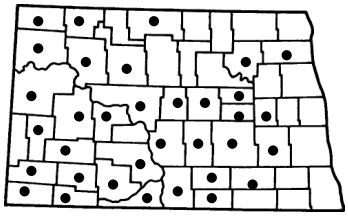
153 (868). *Redfieldia flexuosa* (Thurb.) Vasey, blowout grass



Distribution. BOTTINEAU, KIDDER, MCHENRY, RANSOM, RICHLAND, SARGENT, SIOUX.

Sources: 25, 26, 27, 28, 29, 3, 39, 41, 43, 45, 5, 6, 7, *1*.

154 (869). *Schedonnardus paniculatus* (Nutt.) Trel., tumblegrass

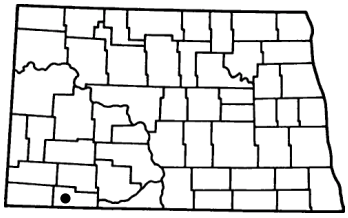


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, RAMSEY, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 18, 19, 21, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7, 8, *17*, *27*, *7*.

Photographed in VII.

155 (870). *Schedonorus arundinaceus* (Schreb.) Dumort., tall fescue

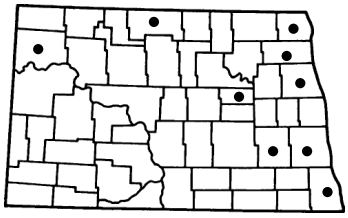


Distribution. ADAMS. Introduced.

Sources: 4.

156 (871). *Schedonorus pratensis* (Huds.) P. Beauv., meadow fescue

Festuca elatior, Festuca pratensis, Lolium pratense, Lolium pratense, Brassaia actinophylla, Didymopanax gleasonii, Didymopanax morototonii

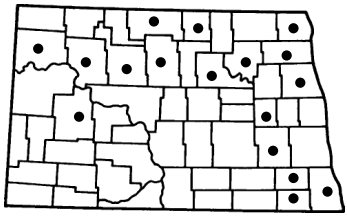


Distribution. BARNES, BOTTINEAU, CASS, EDDY, GRAND FORKS, PEMBINA, RICHLAND, WALSH, WILLIAMS. Introduced.

Sources: 29, 39, 4, *13*, *19*, *1*, *25*, *26*, *27*, *28*, *40*, *43*, *5*, *8*.

157 (872). *Schizachne purpurascens* (Torr.) Swallen, false melic

Avena torreyi, Melica purpurascens, Schizachne stricta, Trisetum purpurascens

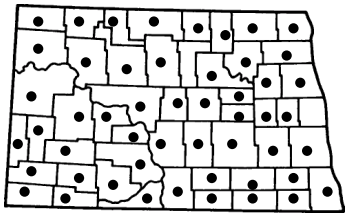


Distribution. BARNES, BENSON, BOTTINEAU, DUNN, GRAND FORKS, GRIGGS, MCHENRY, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 21, 24, 25, 26, 27, 28, 29, 30, 39, 41, 42, 44, 45, 5, 7.

158 (873). *Schizachyrium scoparium* (Michx.) Nash, little bluestem

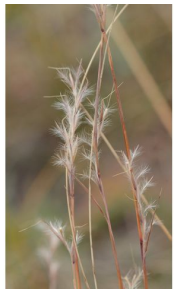
Andropogon scoparius

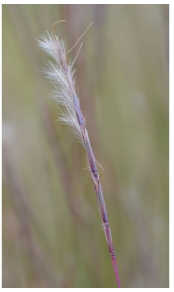


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

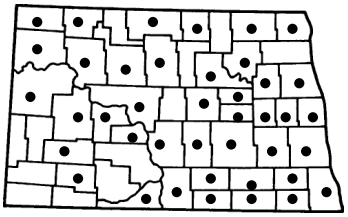
Sources: 12, 14, 18, 20, 29, 3, 39, 4, 41, 42, 43, 45, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *44*, *45*, *6*, *7*, *9*.

Photographed in VII–X.





159 (874). *Scolochloa festucacea* (Willd.) Link, common rivergrass



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 18, 2, 21, 24, 25, 29, 3, 31, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, 9, *19*, *26*, *27*, *28*, *30*, *44*, *5*, *7*.

* *Secale cereale* L., cereal rye

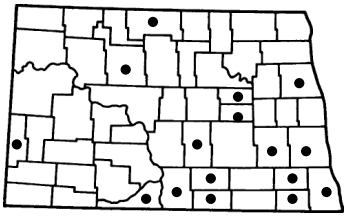
Secale montanum, Secale strictum, Triticum cereale

Sources: 13, 18, 2, 25, 26, 27, 28, 29, 38, 39, 4, 5, 7, *11*, *31*.

Photographed in X.

160 (875). *Setaria italica* (L.) P. Beauv., foxtail millet

Chaetochloa italica, Panicum italicum



Distribution. BARNES, BOTTINEAU, CASS, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, RANSOM, RICHLAND, SARGENT, SIOUX, WARD. Introduced.

Sources: 1, 10, 11, 17, 18, 19, 25, 26, 27, 29, 3, 31, 39, 4, 40, 5, 6, 7, 8, *32*.

? *Setaria macrostachya* Kunth, large-spike bristlegrass

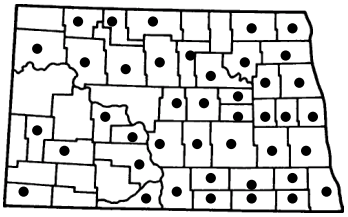
Sources: 7.

? *Setaria parviflora* (Poir.) Kerguelen, marsh bristlegrass

Sources: 43.

161 (876). *Setaria pumila* (Poir.) Roem. & Schult., yellow foxtail

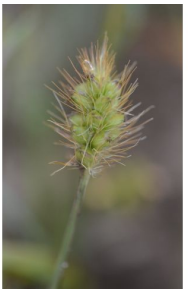
Setaria glauca



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

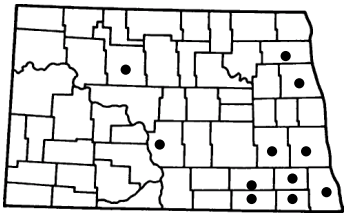
Sources: 14, 29, 39, 4, 40, 45, 5, *11*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *45*, *5*, *7*, *8*.

Photographed in VII–X.



162 (877). *Setaria verticillata* (L.) P. Beauv., hooked bristlegrass

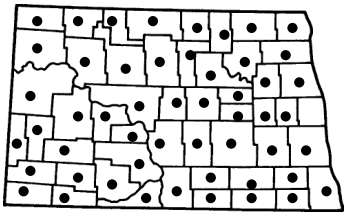
Chaetochloa verticillata, Panicum verticillatum, Setaria carnei, Setaria decipiens, Setaria gussonei



Distribution. BARNES, BURLEIGH, CASS, DICKEY, GRAND FORKS, LAMOURE, RANSOM, RICHLAND, SARGENT, WALSH, WARD. Introduced.

Sources: 1, 11, 17, 2, 25, 26, 27, 29, 39, 40, 41, 43, 45, 5.

163 (878). *Setaria viridis* (L.) P. Beauv., green bristlegrass



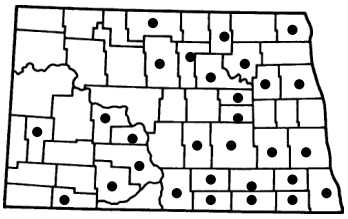
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 32, 39, 4, 40, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *10*, *28*, *5*, *6*, *7*.

Photographed in VII–X.

164 (879). *Sorghastrum nutans* (L.) Nash, Indiangrass

Andropogon nutans, Sorghastrum avenaceum



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MERCER, MORTON, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN, TOWNER.

Sources: 18, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, 9, *11*, *1*, *31*, *6*.

Photographed in VI–X.

*** *Sorghum bicolor* (L.) Moench, sorghum**

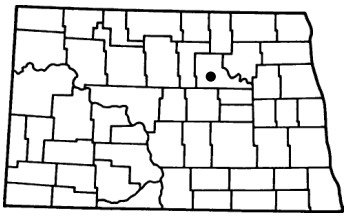
Sources: 29, 38, 39, 40, 5, *27*.

*** *Sorghum halepense* (L.) Pers., Johnsongrass**

Holcus halepensis, Sorghum miliaceum

Sources: 1, 13, 17, 27, 29, 38, 39, 40, 5, 7.

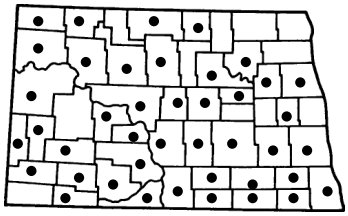
165 (880). *Spartina cynosuroides* (L.) Roth, big cordgrass



Distribution. BENSON.

Sources: 7.

166 (881). *Spartina gracilis* Trin., alkali cordgrass



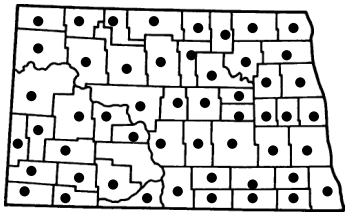
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8.

Photographed in VIII–IX.

167 (882). *Spartina pectinata* Bosc ex Link, prairie cordgrass

Spartina michauxiana

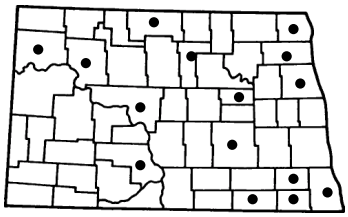


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, 7.

Photographed in VII–X.

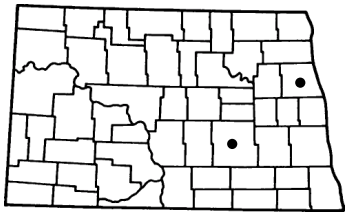
168 (883). *Sphenopholis intermedia* (Rydb.) Rydb., slender wedgescale



Distribution. BOTTINEAU, DICKEY, EDDY, GRAND FORKS, MCLEAN, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH, WILLIAMS.

Sources: 13, 14, 25, 28, 29, 30, 39, 45, 5, 7, *27*.

169 (884). *Sphenopholis nitida* (Biehler) Scribn., shiny wedgescale

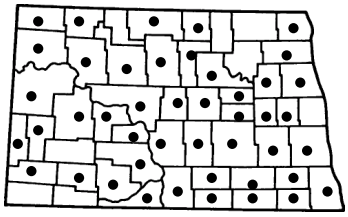


Distribution. GRAND FORKS, STUTSMAN.

Sources: 43, 7.

170 (885). *Sphenopholis obtusata* (Michx.) Scribn., prairie wedgescale

Aira obtusata



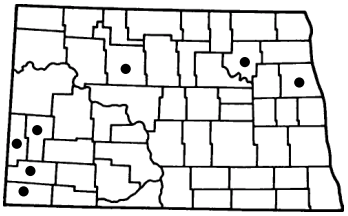
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7, 8, *5*, *9*.

Photographed in VI–VII.

171 (886). *Sporobolus airoides* (Torr.) Torr., alkali sacaton

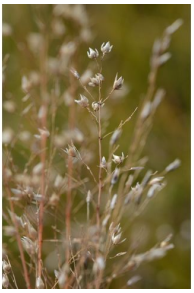
Agrostis airoides



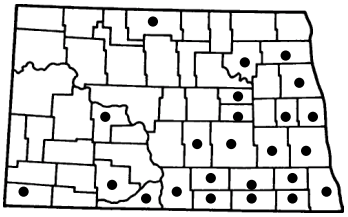
Distribution. BILLINGS, BOWMAN, GOLDEN VALLEY, GRAND FORKS, RAMSEY, SLOPE, WARD.

Sources: 1, 29, 32, 33, 34, 35, 39, 4, 41, 43, 5, 7.

Photographed in X.



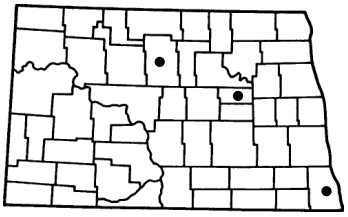
172 (887). *Sporobolus compositus* (Poir.) Merr., composite dropseed



Distribution. BARNES, BOTTINEAU, BOWMAN, CASS, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MERCER, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, STEELE, STUTSMAN, TRAILL, WALSH.

Sources: 12, 20, 29, 39, 41, 43, 45, 5, *10*, *11*, *19*, *1*, *21*, *25*, *26*, *27*, *28*, *2*, *31*, *6*, *7*, *8*.

173 (888). *Sporobolus contractus* Hitchc., spike dropseed

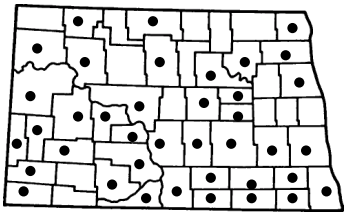


Distribution. EDDY, MCHENRY, RICHLAND.

Sources: 5.

174 (889). *Sporobolus cryptandrus* (Torr.) A. Gray, sand dropseed

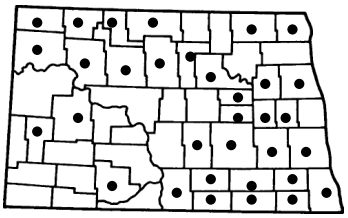
Agrostis cryptandra



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WELLS, WILLIAMS.

Sources: 1, 11, 12, 14, 18, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *13*, *19*, *2*.

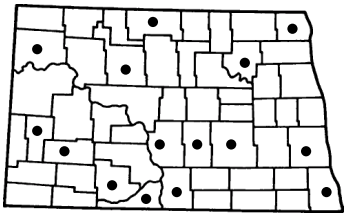
175 (890). *Sporobolus heterolepis* (A. Gray) A. Gray, prairie dropseed



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, SARGENT, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 17, 18, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, 9, *17*, *19*, *7*.

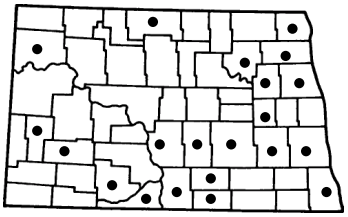
176 (891). *Sporobolus neglectus* Nash, puffsheath dropseed



Distribution. BILLINGS, BOTTINEAU, BURLEIGH, CASS, EMMONS, GRANT, KIDDER, PEMBINA, RAMSEY, RICHLAND, SIOUX, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 13, 17, 21, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 43, 45, 5, 7.

177 (892). *Sporobolus vaginiflorus* (Torr. ex A. Gray) Alph. Wood, poverty dropseed

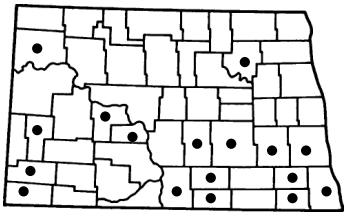


Distribution. BARNES, BILLINGS, BOTTINEAU, BURLEIGH, CASS, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LOGAN, MCINTOSH, NELSON, PEMBINA, RAMSEY, RICHLAND, SIOUX, STARK, STUTSMAN, WALSH, WILLIAMS.

Sources: 1, 11, 29, 31, 39.

178 (893). *Thinopyrum intermedium* (Host) Barkworth & D.R. Dewey, intermediate wheatgrass

Agropyron aucheri, Agropyron gentryi, Agropyron glaucum, Agropyron intermedium, Agropyron podperae, Agropyron pulcherrimum, Agropyron trichophorum, Elymus hispidus, Elymus intermedius, Elytrigia intermedia, Agropyron junceum, Elymus multinodus, Elytrigia juncea, Thinopyrum junceum, Triticum junceum

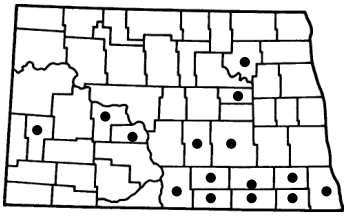


Distribution. BARNES, BILLINGS, BOWMAN, CASS, EMMONS, KIDDER, LOGAN, MCINTOSH, MERCER, OLIVER, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, STUTSMAN, WILLIAMS. Introduced.

Sources: 18, 29, 39, 40, 41, 42, 43, 5, *11*, *1*, *21*, *25*, *26*, *31*, *45*, *6*, *7*.

179 (894). *Thinopyrum ponticum* (Podp.) Z.-W. Liu & R.-C. Wang, tall wheatgrass

Agropyron elongatum, Elymus elongatus, Elytrigia elongata, Elytrigia pontica, Lophopyrum elongatum

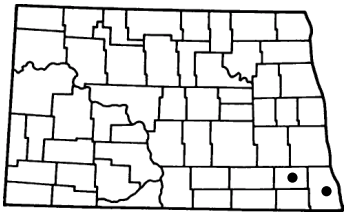


Distribution. BILLINGS, DICKEY, EDDY, EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MERCER, OLIVER, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN. Introduced.

Sources: 29, 39, 40, 43, 5, *1*, *21*, *26*, *2*, *31*, *43*, *45*, *6*, *7*, *8*.

180 (895). *Triplasis purpurea* (Walter) Chapm., purple sandgrass

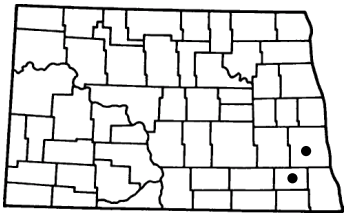
Triplasis intermedia



Distribution. RANSOM, RICHLAND.

Sources: 1, 25, 26, 29, 34, 39, 41, 43, 5.

181 (896). *Trisetum canescens* Buckley, tall trisetum



Distribution. CASS, RANSOM.

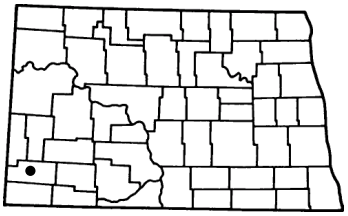
Sources: *45*.

† *Trisetum melicoides* (Michx.) Vasey ex Scribn., purple false oat

Graphephorum melicoides

Sources: *18*.

182 (897). *Trisetum spicatum* (L.) K. Richt., spike trisetum



Distribution. SLOPE.

Sources: 39.

* *Triticum aestivum* L., common wheat

Triticum hybernum, Triticum macha, Triticum sativum, Triticum sphaerococcum, Triticum vulgare

Sources: 11, 18, 19, 2, 20, 24, 25, 26, 31, 38, 39, 4, 45, 5, 7, 8.

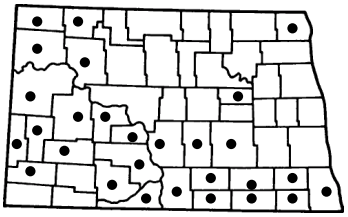
Photographed in VII.

? *Triticum durum* Desf., durum wheat

Triticum pyramidale

Sources: 38, 5, 7.

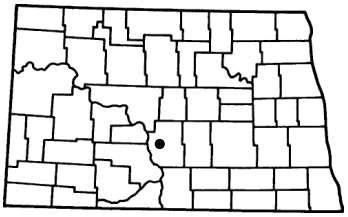
183 (898). *Vulpia octoflora* (Walter) Rydb., sixweeks fescue



Distribution. BILLINGS, BURKE, BURLEIGH, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WILLIAMS.

Sources: 12, 18, 29, 3, 39, 4, 41, 43, 5, *13*, *19*, *1*, *24*, *25*, *26*, *27*, *2*, *30*, *31*, *32*, *6*, *7*, *8*.

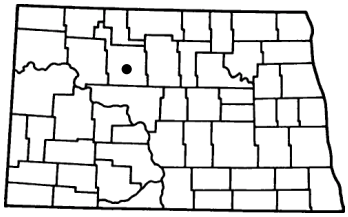
184 (899). ×*Achnella caduca* (Beal) Barkworth, Mandan ricegrass



Distribution. BURLEIGH. Introduced.

Sources: 41, *29*, *39*, *5*.

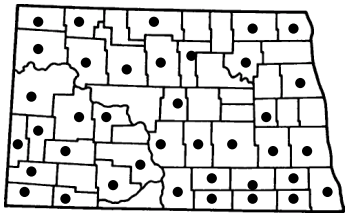
185 (900). ×*Elyhordeum iowense* Pohl, Iowa barley



Distribution. WARD.

Sources: *29*, *39*.

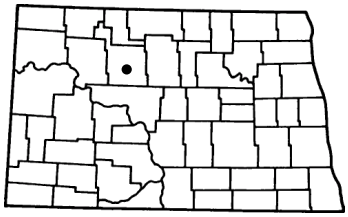
186 (901). ×*Elyhordeum macounii* (Vasey) Barkworth & D.R. Dewey, Macoun's barley



Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 14, 4, *10*, *11*, *13*, *17*, *18*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *29*, *2*, *30*, *31*, *32*, *39*, *3*, *45*, *5*, *6*, *7*.

187 (902). ×*Elyhordeum montanense* (Scribn.) Bowden, mountain barley



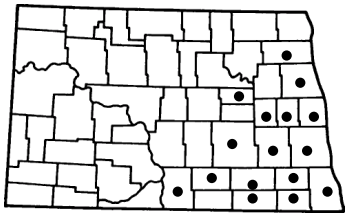
Distribution. WARD.

Sources: 41, *17*, *29*, *39*.

* *Zea mays* L., corn

Sources: 38, 39.

188 (903). *Zizania palustris* L., northern wildrice

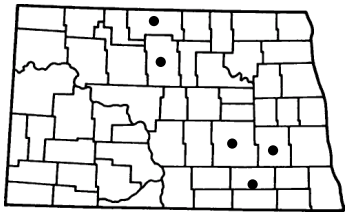


Distribution. BARNES, CASS, DICKEY, EDDY, EMMONS, GRAND FORKS, GRIGGS, LAMOURE, LOGAN, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, TRAILL, WALSH.

Sources: 29, 39, 41, *11*, *14*, *15*, *16*, *18*, *19*, *1*, *25*, *26*, *27*, *2*, *31*, *3*, *45*, *5*, *6*, *7*, *8*.

47. Haloragaceae, Water Milfoil family

1 (904). *Myriophyllum heterophyllum* Michx., twoleaf watermilfoil

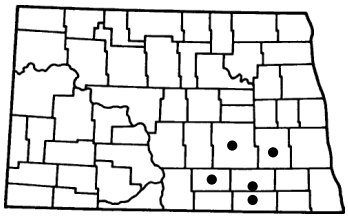


Distribution. BARNES, BOTTINEAU, LAMOURE, MCHENRY, STUTSMAN.

Sources: 1, 27, 29, 3, 33, 35, 39, 41, 43, 7, *11*.

2 (905). *Myriophyllum pinnatum* (Walter) Britton, Sterns & Poggenb., cutleaf watermilfoil

Myriophyllum scabratum, Potamogeton pinnatum

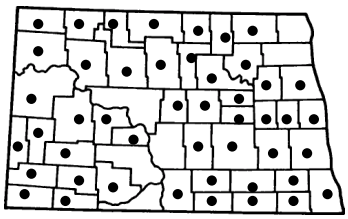


Distribution. BARNES, DICKEY, LAMOURE, LOGAN, STUTSMAN.

Sources: 15, 16, 18, 29, 34, 35, 39, 43, 5, 6, *2*.

3 (906). *Myriophyllum sibiricum* Kom., shortspike watermilfoil

Myriophyllum exalbescens, Myriophyllum magdalenense

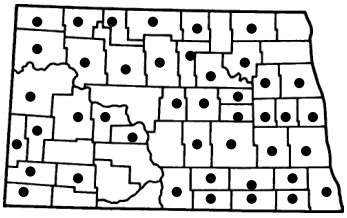


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 29, 39, 4, 41, 43, 5, *16*, *17*, *19*, *21*, *24*, *27*, *28*, *2*, *43*, *44*, *45*, *5*, *7*, *8*.

Photographed in VII–X.

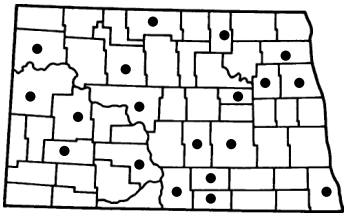
4 (907). *Myriophyllum spicatum* L., Eurasian watermilfoil



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 13, 15, 18, 25, 26, 29, 3, 31, 32, 39, 40, 5, 6, 7, *11*.

5 (908). *Myriophyllum verticillatum* L., whorl-leaf watermilfoil

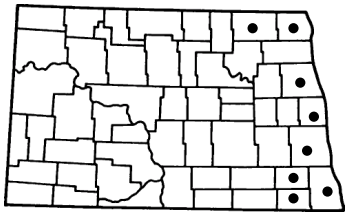


Distribution. BOTTINEAU, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, NELSON, RICHLAND, STARK, STUTSMAN, TOWNER, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 15, 16, 24, 29, 31, 39, 4, 41, 43, 5, 6, 7.

Photographed in VII–VIII.

6 (909). *Penthorum sedoides* L., ditch stonecrop ☐



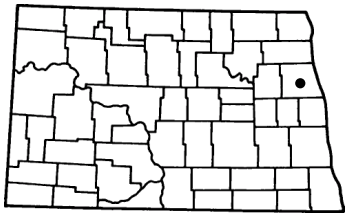
Distribution. CASS, CAVALIER, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT, TRAILL.

Sources: 1, 15, 16, 18, 25, 26, 27, 29, 3, 30, 39, 4, 41, 42, 43, 45, 47, 7.

Photographed in VII.

48. Hydrangeaceae, Hydrangea family

1 (910). *Philadelphus coronarius* L., sweet mock orange ☐

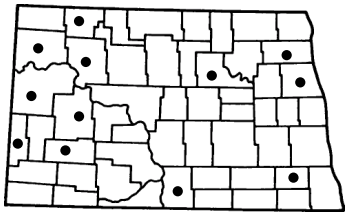


Distribution. GRAND FORKS. Introduced.

Sources: 7.

49. Hydrocharitaceae, Tape-grass family

1 (911). *Elodea bifoliata* H. St. John, twoleaf waterweed

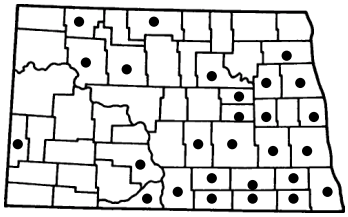


Distribution. BENSON, BURKE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, MCKENZIE, MOUNTRAIL, RANSOM, STARK, WALSH, WILLIAMS.

Sources: 29, 39, 4, 41, 47, 5, *13*, *14*, *15*, *16*, *24*, *27*, *29*, *32*, *45*, *47*, *7*.

2 (912). *Elodea canadensis* Michx., Canadian waterweed

Anacharis canadensis, Elodea brandegeeae, Elodea ioensis, Elodea linearis, Elodea planchonii, Philotria canadensis, Philotria linearis

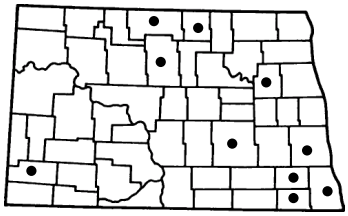


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DICKEY, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, MOUNTRAIL, NELSON, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN, TRAILL, WALSH, WARD.

Sources: 1, 11, 15, 16, 17, 19, 2, 25, 26, 28, 29, 31, 39, 4, 41, 43, 45, 47, 5, 6, 8, *18*, *3*.

Photographed in VII–VIII.

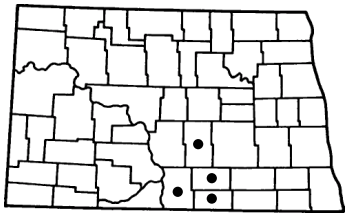
3 (913). *Najas flexilis* (Willd.) Rostk. & Schmidt, nodding waternymph



Distribution. BOTTINEAU, CASS, MCHENRY, NELSON, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STUTSMAN.

Sources: 1, 15, 16, 26, 27, 29, 34, 39, 41, 43, 47, 5, 9, *5*.

4 (914). *Najas guadalupensis* (Spreng.) Magnus, southern waternymph

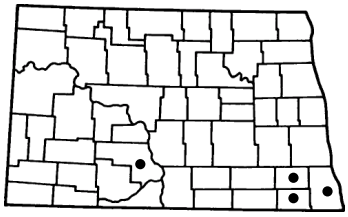


Distribution. EMMONS, KIDDER, LOGAN, MCINTOSH.

Sources: 1, 15, 16, 29, 31, 33, 34, 35, 39, 41, 43, 5.

5 (915). *Najas marina* L., spiny naiad

Najas gracilis, Najas major

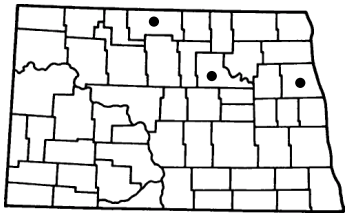


Distribution. MORTON, RANSOM, RICHLAND, SARGENT.

Sources: 15, 16, 26, 29, 33, 34, 35, 39, 43, 47, 5.

6 (916). *Vallisneria americana* Michx., American eelgrass

Vallisneria asiatica, Vallisneria neotropicalis, Vallisneria spiralis



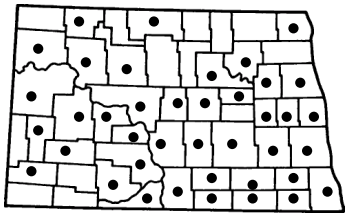
Distribution. BENSON, BOTTINEAU, GRAND FORKS.

Sources: 27, 28, 29, 41, 7.

50. Hydrophyllaceae, Waterleaf family

1 (917). *Ellisia nyctelea* (L.) L., Aunt Lucy

Nyctelea nyctelea



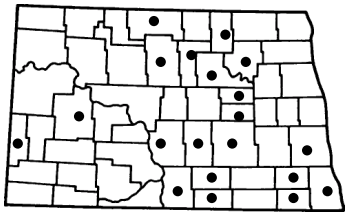
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, 9, *6*, *7*.
Photographed in VI–VII.

? *Eriodictyon angustifolium* Nutt., narrowleaf yerba santa

Sources: 29.

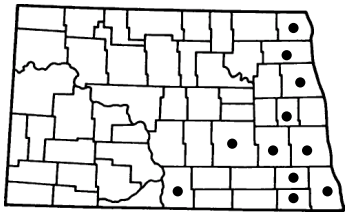
2 (918). *Heliotropium curassavicum* L., salt heliotrope



Distribution. BENSON, BOTTINEAU, BURLEIGH, CASS, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, KIDDER, LOGAN, MCHENRY, MCINTOSH, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN, TOWNER.

Sources: 1, 11, 15, 16, 18, 19, 21, 24, 25, 26, 27, 28, 29, 31, 32, 34, 39, 41, 43, 5, 6, 8.

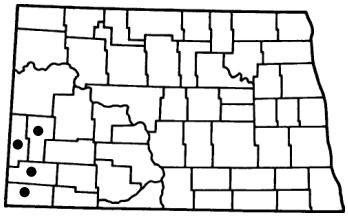
3 (919). *Hydrophyllum virginianum* L., eastern waterleaf



Distribution. BARNES, CASS, EMMONS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, WALSH.

Sources: 1, 11, 14, 26, 27, 29, 3, 31, 39, 4, 41, 42, 43, 45, 5, 6, 7, *25*.
Photographed in VII.

4 (920). *Phacelia hastata* Douglas ex Lehm., silverleaf phacelia

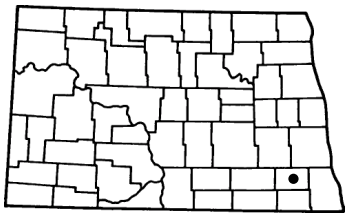


Distribution. BILLINGS, BOWMAN, GOLDEN VALLEY, SLOPE.

Sources: 1, 18, 29, 3, 32, 39, 41, 43, 45, 5, 6, *27*.

51. Hypericaceae, St. Johnswort family

1 (921). *Hypericum boreale* (Britton) E.P. Bicknell, northern St. Johnswort



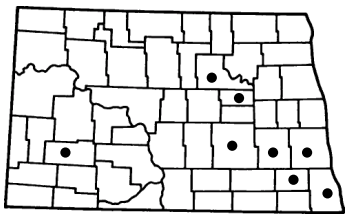
Distribution. RANSOM.

Sources: 35, 43, 6.

? *Hypericum ellipticum* Hook., pale St. Johnswort

Sources: 29, 3.

2 (922). *Hypericum majus* (A. Gray) Britton, large St. Johnswort



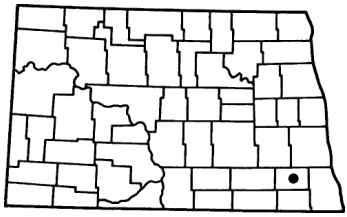
Distribution. BARNES, BENSON, CASS, EDDY, RANSOM, RICHLAND, STARK, STUTSMAN.

Sources: 1, 11, 15, 16, 18, 25, 26, 27, 29, 3, 33, 39, 41, 43, 45, 47, 5, 6, 7, *43*.

? *Hypericum mutilum* L., dwarf St. Johnswort

Sources: 7.

3 (923). *Hypericum perforatum* L., common St. Johnswort



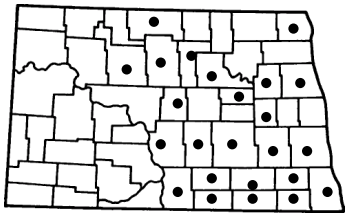
Distribution. RANSOM. Introduced.

Sources: 25, 26, 27, 29, 3, 33, 39, 47.

52. Hypoxidaceae, Goldstar family

1 (924). *Hypoxis hirsuta* (L.) Coville, common goldstar

Hypoxis decumbens, Ornithogalum hirsutum

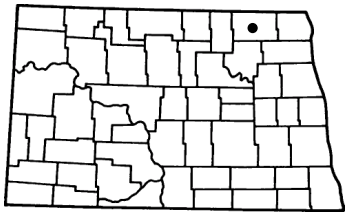


Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, DICKEY, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, NELSON, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, SHERIDAN, STUTSMAN, WARD.

Sources: 1, 10, 11, 15, 16, 17, 18, 19, 2, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *5*.

53. Iridaceae, Iris family

1 (925). *Iris germanica* L., German iris



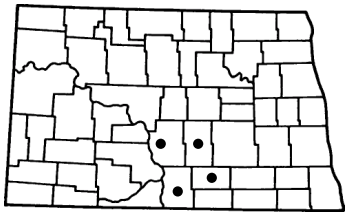
Distribution. CAVALIER. Introduced.

Sources: 4.

Photographed in VI.

2 (926). *Iris missouriensis* Nutt., Rocky Mountain iris

Iris longipetala, Iris pariensis, Iris tolmieana

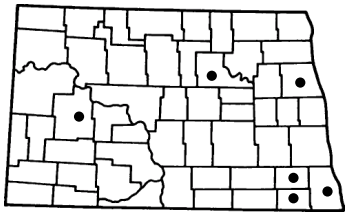


Distribution. BURLEIGH, EMMONS, KIDDER, LOGAN.

Sources: 1, 29, 31, 33, 34, 35, 39, 41, 43, 5.

3 (927). *Sisyrinchium campestre* E.P. Bicknell, prairie blue-eyed grass

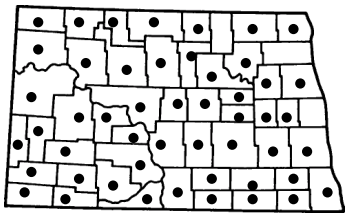
Sisyrinchium kansanum



Distribution. BENSON, DUNN, GRAND FORKS, RANSOM, RICHLAND, SARGENT.

Sources: 15, 3, 45, 47, 7, *18*.

4 (928). *Sisyrinchium montanum* Greene, strict blue-eyed grass



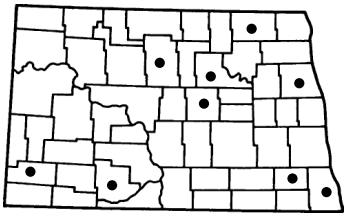
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 28, 29, 30, 31, 32, 39, 4, 41, 42, 44, 45, 47, 5, 6, 7, 8, *17*, *18*, *19*, *1*, *20*, *27*, *30*, *3*, *45*, *7*, *8*, *9*.

Photographed in V–VII.

5 (929). *Sisyrinchium mucronatum* Michx., needletip blue-eyed grass

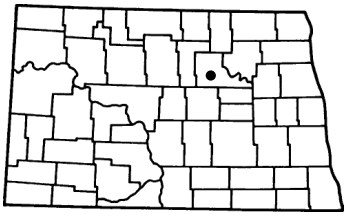
Sisyrinchium intermedium



Distribution. BENSON, CAVALIER, GRAND FORKS, GRANT, MCHENRY, RANSOM, RICHLAND, SLOPE, WELLS.

Sources: 1, 10, 29, 3, 39, 41, 47, 7, *18*.

6 (930). *Sisyrinchium septentrionale* E.P. Bicknell, northern blue-eyed grass



Distribution. BENSON.

Sources: 3, 43, 45, *18*.

54. Isoëtaceae, Quillwort family

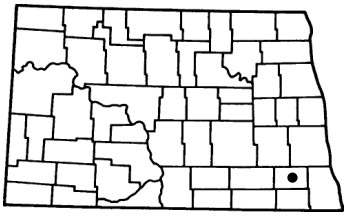
? *Isoëtes* ×*eatonii* R. Dodge, Eaton's quillwort

Sources: *5*.

55. Juglandaceae, Walnut family

1 (931). *Carya ovata* (Mill.) K. Koch, shagbark hickory

Hicoria alba, Hicoria borealis, Hicoria ovata

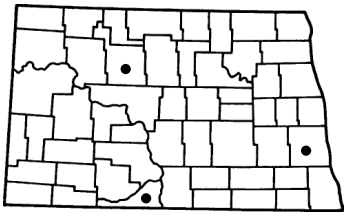


Distribution. RANSOM.

Sources: 1, 29, 39, 43.

2 (932). *Juglans nigra* L., black walnut

Wallia nigra



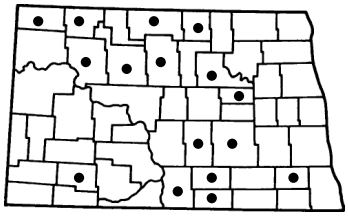
Distribution. CASS, SIOUX, WARD.

Sources: 1, 29, 39, 4, 41, 43, 48.

Photographed in X.

56. Juncaceae, Rush family

1 (933). *Juncus alpinoarticulatus* Chaix, northern green rush



Distribution. BENSON, BOTTINEAU, BURKE, DIVIDE, EDDY, EMMONS, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, RANSOM, ROLETTE, STUTSMAN, WARD.

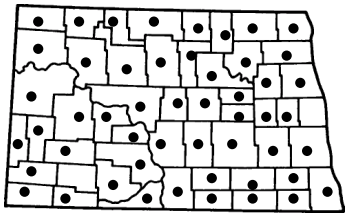
Sources: 29, 39, 41, 43, 45, 47, 5, *11*, *13*, *15*, *16*, *19*, *1*, *25*, *26*, *27*, *28*, *31*, *6*, *8*.

† *Juncus anthelatus* (Wiegand) R.E. Brooks, greater poverty rush

Sources: 47.

2 (934). *Juncus arcticus* Willd., arctic rush

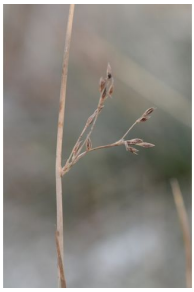
Juncus balticus

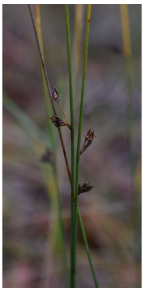


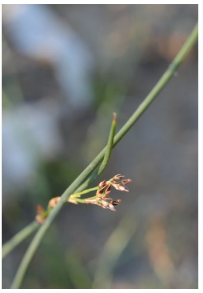
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

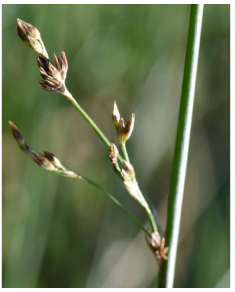
Sources: 14, 18, 29, 3, 4, 41, 42, 43, 45, 47, 5, *10*, *11*, *12*, *13*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *43*, *44*, *5*, *6*, *7*, *8*, *9*.

Photographed in V–X.



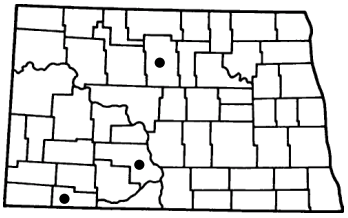






3 (935). *Juncus articulatus* L., jointleaf rush

Luzula hyperborea, Juncus aristulatus

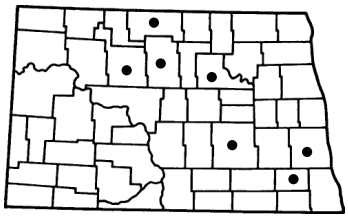


Distribution. ADAMS, MCHENRY, MORTON.

Sources: 4, 7.

Photographed in VII–IX.

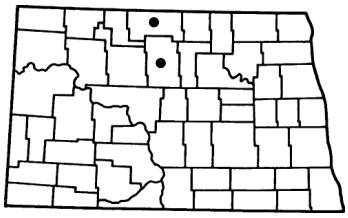
4 (936). *Juncus brachycephalus* (Engelm.) Buchenau, smallhead rush



Distribution. BENSON, BOTTINEAU, CASS, MCHENRY, RANSOM, STUTSMAN, WARD.

Sources: 17, 18, 27, 28, 29, 3, 35, 39, 41, 43, 45, 47, 5.

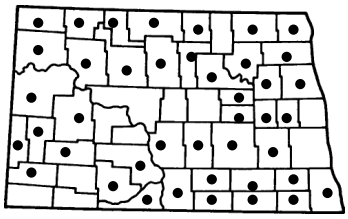
5 (937). *Juncus brevicaudatus* (Engelm.) Fernald, narrowpanicle rush



Distribution. BOTTINEAU, MCHENRY.

Sources: 15, 16, 29, 34, 35, 39, 43, 5, 7.

6 (938). *Juncus bufonius* L., toad rush

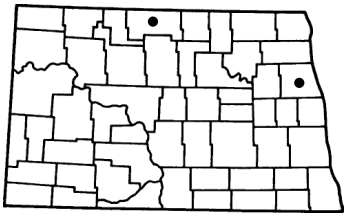


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *2*, *5*.

Photographed in VII–VIII.

7 (939). *Juncus canadensis* J. Gay ex Laharpe, Canadian rush

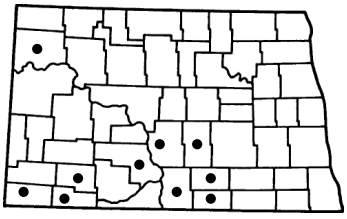


Distribution. BOTTINEAU, GRAND FORKS.

Sources: 3, 5, 7.

8 (940). *Juncus compressus* Jacq., roundfruit rush

Juncus exilis

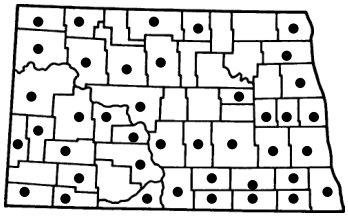


Distribution. ADAMS, BOWMAN, BURLEIGH, EMMONS, HETTINGER, KIDDER, LOGAN, MCINTOSH, MORTON, WILLIAMS. Introduced.

Sources: 15, 16, 29, 31, 39, 4, 43, 45, 47, 5.

Photographed in VII–VIII.

9 (941). *Juncus dudleyi* Wiegand, Dudley's rush

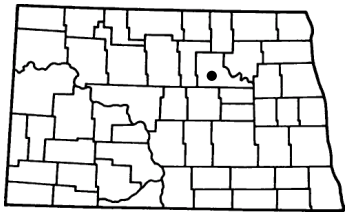


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 12, 13, 15, 16, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8.

Photographed in V–IX.

10 (942). *Juncus effusus* L., common rush



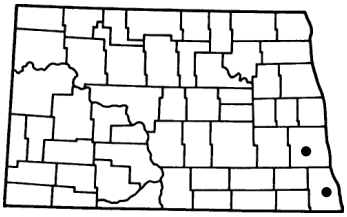
Distribution. BENSON.

Sources: 27, 29, 3, 39, 7.

† *Juncus ensifolius* Wikstr., swordleaf rush

Sources: 29, 39.

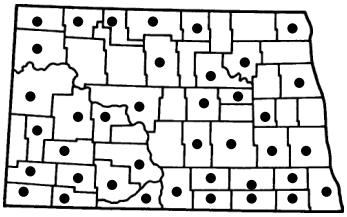
11 (943). *Juncus gerardii* Loisel., saltmeadow rush



Distribution. CASS, RICHLAND.

Sources: 16, 26, 29, 39, 41, 43, 47, 5, *15*, *25*, *33*, *5*.

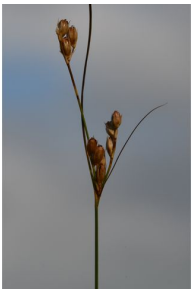
12 (944). *Juncus interior* Wiegand, inland rush

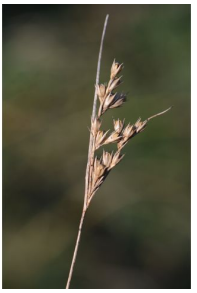


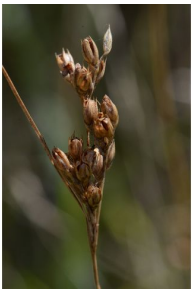
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8.

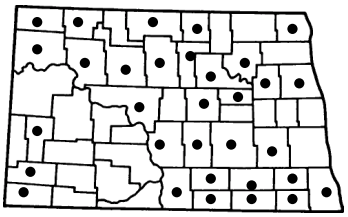
Photographed in VII–X.







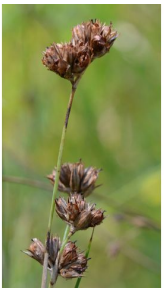
13 (945). *Juncus longistylis* Torr., longstyle rush

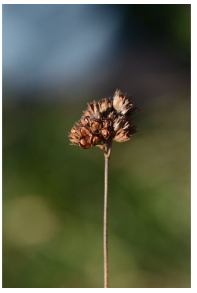


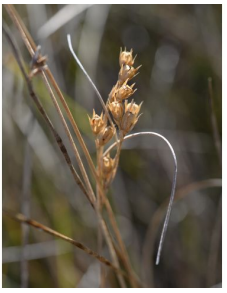
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DICKEY, DIVIDE, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, 9, *25*, *26*, *43*.

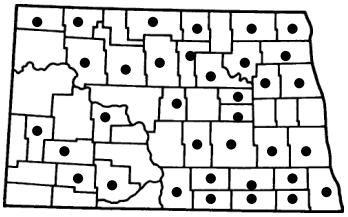
Photographed in VIII–X.







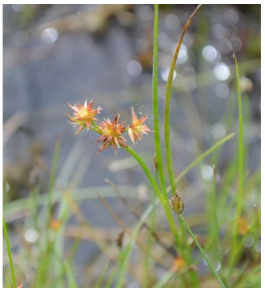
14 (946). *Juncus nodosus* L., knotted rush



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MERCER, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STUTSMAN, WALSH, WARD.

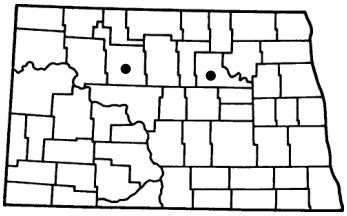
Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, 9, *28*.

Photographed in VII–IX.



15 (947). *Juncus tenuis* Willd., poverty rush

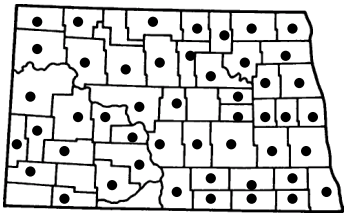
Juncus macer



Distribution. BENSON, WARD.

Sources: 29, 39, 41, 45, 47, 7.

16 (948). *Juncus torreyi* Coville, Torrey's rush

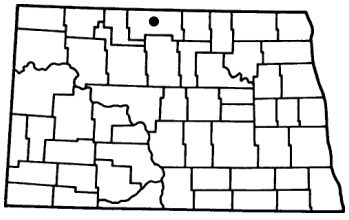


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8.

Photographed in VII–X.

17 (949). *Juncus vaseyi* Engelm., Vasey's rush



Distribution. BOTTINEAU.

Sources: 15, 16, 18, 29, 34, 35, 39, 41, 43, 47, 5.

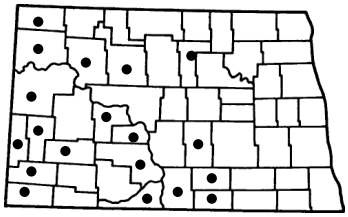
? *Luzula parviflora* (Ehrh.) Desv., smallflowered woodrush

Sources: 29.

57. Juncaginaceae, Arrow-grass family

1 (950). *Triglochin concinna* Burtt Davy, slender arrowgrass

Triglochin concinnum, Triglochin debile, Triglochin debilis

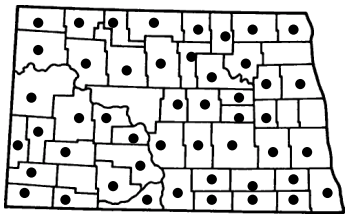


Distribution. BILLINGS, BOWMAN, DIVIDE, EMMONS, GOLDEN VALLEY, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 16, 24, *15*, *1*, *31*, *5*.

2 (951). *Triglochin maritima* L., seaside arrowgrass

Triglochin elata, Triglochin elatum, Triglochin maritimum



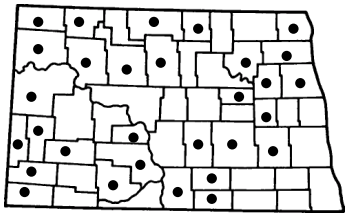
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 10, 11, 13, 16, 17, 19, 24, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, *15*, *18*, *1*, *21*, *2*, *31*, *32*, *43*, *6*, *7*, *9*.

Photographed in VI–IX.

3 (952). *Triglochin palustris* L., marsh arrowgrass

Triglochin palustre



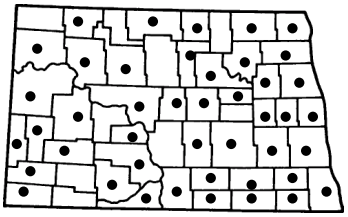
Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DIVIDE, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, ROLETTE, SLOPE, STARK, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 11, 13, 16, 17, 19, 21, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 44, 45, 47, 5, 6, 7, 8, *15*, *1*, *31*, *43*.

Photographed in VII–IX.

58. Labiatae, Mint family

1 (953). *Agastache foeniculum* (Pursh) Kuntze, blue giant hyssop

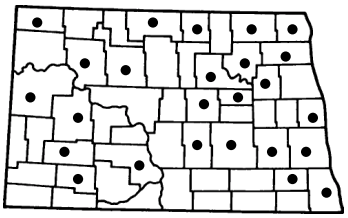


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 14, 17, 19, 2, 21, 24, 25, 26, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *18*, *27*, *3*, *7*.

Photographed in VII–VIII.

2 (954). *Dracocephalum parviflorum* Nutt., American dragonhead

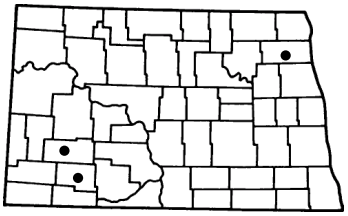


Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DIVIDE, DUNN, EDDY, HETTINGER, KIDDER, MCKENZIE, MORTON, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, STARK, STUTSMAN, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 13, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 30, 31, 39, 4, 43, 45, 5, 6, 7, 8, *3*, *5*.

Photographed in VII.

3 (955). *Dracocephalum thymiflorum* L., thymeleaf dragonhead

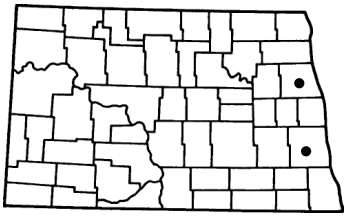


Distribution. HETTINGER, STARK, WALSH. Introduced.

Sources: 18, 24, 27, 29, 39, 43, 5.

4 (956). *Elsholtzia ciliata* (Thunb.) Hyl., crested latesummer mint

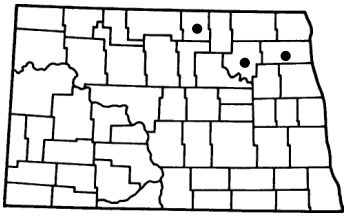
Elsholtzia cristata



Distribution. CASS, GRAND FORKS. Introduced.

Sources: 29, 39, 5.

5 (957). *Galeopsis bifida* Boenn., splitlip hempnettle



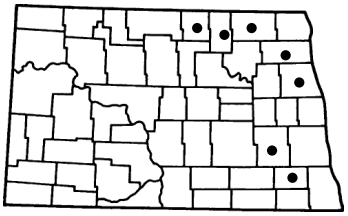
Distribution. RAMSEY, ROLETTE, WALSH. Introduced.

Sources: 21, 29, 39, 4.

Photographed in VIII.

6 (958). *Galeopsis tetrahit* L., brittlestem hempnettle

Galinsoga semicalva



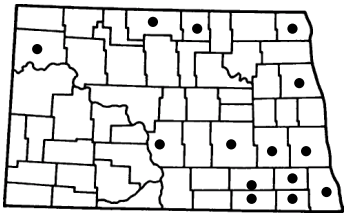
Distribution. BARNES, CAVALIER, GRAND FORKS, RANSOM, ROLETTE, TOWNER, WALSH. Introduced.

Sources: 1, 25, 26, 27, 29, 3, 4, 40, 43, 7.

Photographed in VII.

7 (959). *Glechoma hederacea* L., ground ivy

Nepeta hederacea

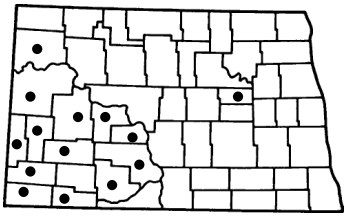


Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, DICKEY, GRAND FORKS, LAMOURE, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WILLIAMS. Introduced.

Sources: 13, 2, 25, 28, 29, 30, 39, 40, 43, 6, *18*, *1*, *26*, *27*, *5*.

8 (960). *Hedeoma drummondii* Benth., Drummond's false pennyroyal

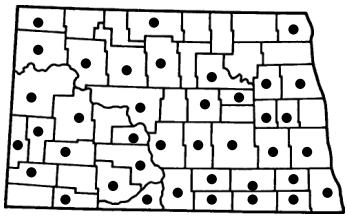
Hedeoma campora, Hedeoma ciliata, Hedeoma ovata



Distribution. ADAMS, BILLINGS, BOWMAN, DUNN, EDDY, GOLDEN VALLEY, GRANT, MCKENZIE, MERCER, MORTON, OLIVER, SLOPE, STARK, WILLIAMS.

Sources: 1, 13, 18, 24, 27, 29, 39, 4, 41, 43, 45, 5, 7.

9 (961). *Hedeoma hispida* Pursh, rough false pennyroyal



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 12, 13, 14, 17, 18, 24, 25, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 44, 5, 6, 7, *19*, *26*, *2*, *45*, *8*.

Photographed in VI–VII.

? *Hedeoma nana* (Torr.) Briq., dwarf false pennyroyal

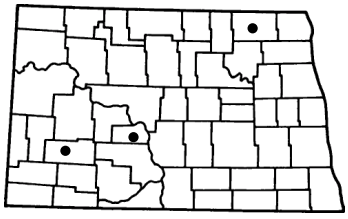
Sources: 3.

? *Hedeoma pulegioides* (L.) Pers., American false pennyroyal

Cunila pulegioides, Melissa pulegioides, Ziziphora pulegioides

Sources: 29, 39.

10 (962). *Lamium amplexicaule* L., henbit deadnettle



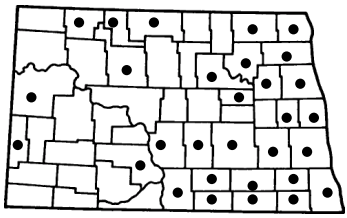
Distribution. CAVALIER, OLIVER, STARK. Introduced.

Sources: 1, 20, 24, 27, 29, 39, 40, 41, 43, *5*.

? *Lavandula angustifolia* Mill., English lavender

Sources: 38, 45.

11 (963). *Leonurus cardiaca* L., common motherwort



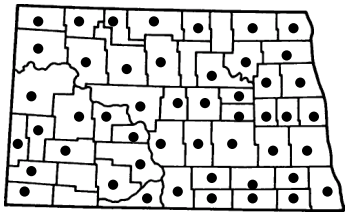
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MORTON, NELSON, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, STEELE, STUTSMAN, TRAILL, WALSH, WARD. Introduced.

Sources: 1, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 40, 42, 43, 5, 6, 7, 8.

Photographed in VIII.

12 (964). *Lycopus americanus* Muhl. ex W. Bartram, American water horehound

Lycopus sinuatus



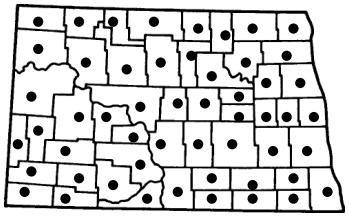
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 12, 13, 14, 15, 16, 17, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *18*, *24*.

Photographed in VII–VIII.

13 (965). *Lycopus asper* Greene, rough bugleweed

Lycopus lucidus

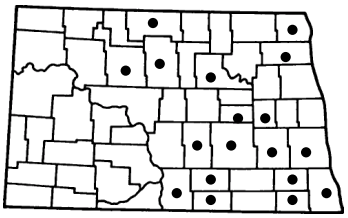


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 12, 13, 15, 16, 17, 19, 2, 21, 24, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *18*, *25*, 7.

Photographed in VII–X.

14 (966). *Lycopus uniflorus* Michx., northern bugleweed



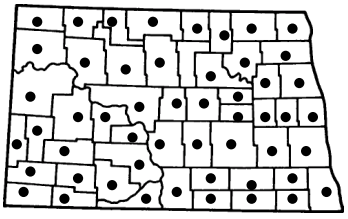
Distribution. BARNES, BENSON, BOTTINEAU, CASS, EMMONS, FOSTER, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH, WARD.

Sources: 1, 15, 16, 25, 26, 27, 28, 29, 30, 31, 39, 4, 41, 43, 45, 5, 6.

Photographed in VIII–IX.

15 (967). *Mentha arvensis* L., wild mint

Mentha canadensis, Mentha gentilis, Mentha glabrior, Mentha penardii

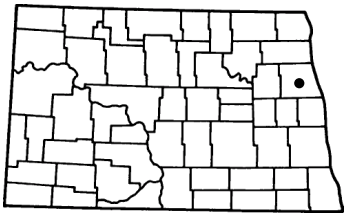


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 12, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *17*, *3*, *45*, *7*.

16 (968). *Mentha spicata* L., spearmint

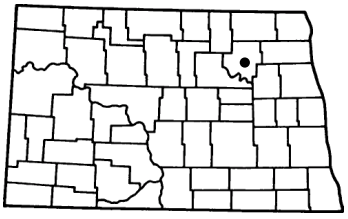
Mentha sylvestris, Mentha viridis



Distribution. GRAND FORKS. Introduced.

Sources: 7.

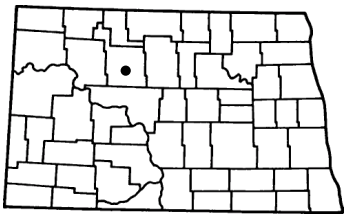
17 (969). *Mentha* ×*piperita* L., peppermint



Distribution. RAMSEY.

Sources: *45*.

18 (970). *Moluccella laevis* L., shellflower



Distribution. WARD. Introduced.

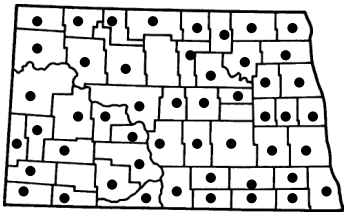
Sources: *17*.

? *Monarda bradburiana* Beck, eastern beebalm

Monarda rigida, Monarda villosa

Sources: 7.

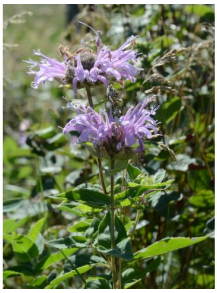
19 (971). *Monarda fistulosa* L., wild bergamot



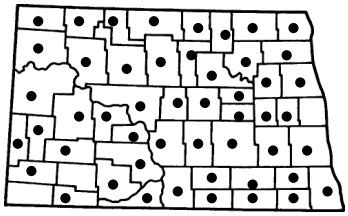
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 12, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *18*, *26*, *7*.

Photographed in VII–VIII.



20 (972). *Nepeta cataria* L., catnip

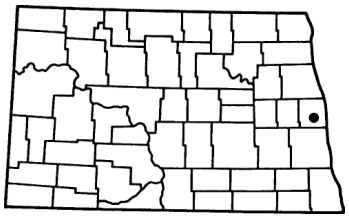


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 14, 17, 19, 2, 21, 24, 27, 28, 29, 3, 30, 31, 39, 4, 40, 42, 43, 44, 45, 5, 6, 7, 8, *13*, *25*, *26*, *32*.

Photographed in VII–X.

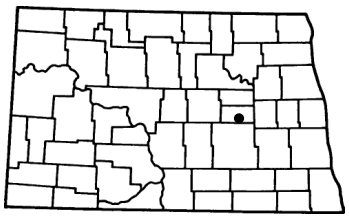
21 (973). *Origanum vulgare* L., oregano



Distribution. TRAILL. Introduced.

Sources: 5.

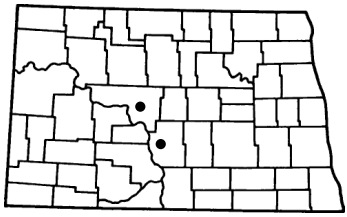
22 (974). *Phlomis tuberosa* L., tuberous Jerusalem sage



Distribution. FOSTER. Introduced.

Sources: 19, 29, 39, 43, 5.

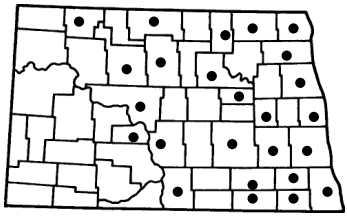
23 (975). *Physostegia ledinghamii* (B. Boivin) Cantino, Ledingham's false dragonhead



Distribution. BURLEIGH, MCLEAN.

Sources: 16, 29, 34, 39, 41.

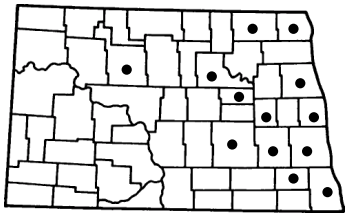
24 (976). *Physostegia parviflora* Nutt. ex A. Gray, western false dragonhead



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, EDDY, EMMONS, GRAND FORKS, GRIGGS, LAMOURE, MCHENRY, MCLEAN, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, TOWNER, TRAILL, WALSH, WARD.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 25, 26, 27, 28, 29, 31, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, *30*, *3*.

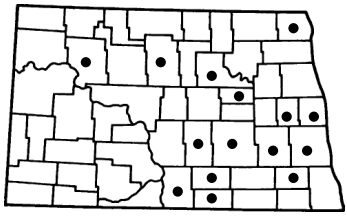
25 (977). *Physostegia virginiana* (L.) Benth., obedient plant



Distribution. BARNES, BENSON, CASS, CAVALIER, EDDY, GRAND FORKS, GRIGGS, PEMBINA, RANSOM, RICHLAND, STUTSMAN, TRAILL, WARD.

Sources: 16, 18, 29, 39, 41, 42, 43, 45, 7, *43*, *45*.

26 (978). *Prunella vulgaris* L., common selfheal

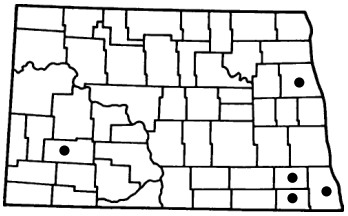


Distribution. BARNES, BENSON, CASS, EDDY, EMMONS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, PEMBINA, RANSOM, STEELE, STUTSMAN, TRAILL.

Sources: 1, 11, 13, 15, 16, 18, 19, 25, 26, 27, 29, 3, 31, 39, 43, 45, 5, 6, 7, 8.

27 (979). *Pycnanthemum virginianum* (L.) T. Dur. & B.D. Jacks. ex B.L. Rob. & Fernald, Virginia mountainmint

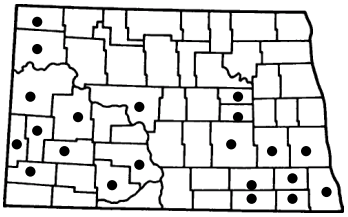
Koellia virginiana



Distribution. GRAND FORKS, RANSOM, RICHLAND, SARGENT, STARK.

Sources: 1, 25, 26, 27, 29, 33, 35, 39, 41, 43, 45, 5, 7, *3*, *5*, *6*, *7*.

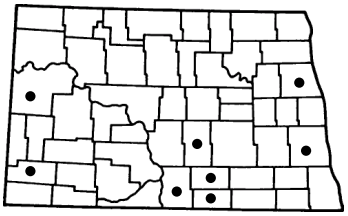
28 (980). *Salvia reflexa* Hornem., lanceleaf sage



Distribution. BARNES, BILLINGS, CASS, DICKEY, DIVIDE, DUNN, EDDY, FOSTER, GOLDEN VALLEY, GRANT, LAMOURE, MCKENZIE, MCLEAN, MORTON, RANSOM, RICHLAND, SARGENT, SLOPE, STARK, STUTSMAN, WILLIAMS.

Sources: 1, 11, 13, 19, 2, 24, 25, 26, 27, 29, 32, 39, 41, 45, 5, 8, *5*.

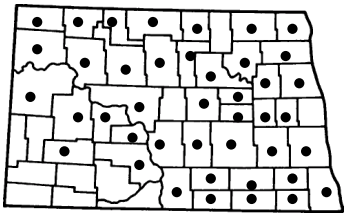
29 (981). *Salvia* ×*sylvestris* L., woodland sage



Distribution. CASS, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, SLOPE. Introduced.

Sources: *24*, *27*, *29*, *31*, *32*, *39*, *5*, *7*.

30 (982). *Scutellaria galericulata* L., marsh skullcap

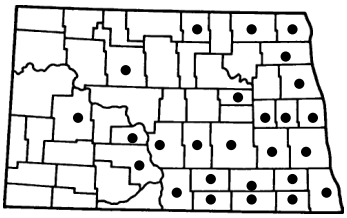


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *18*, *7*.

Photographed in VII–VIII.

31 (983). *Scutellaria lateriflora* L., blue skullcap

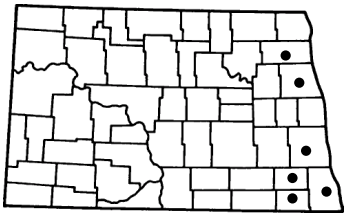


Distribution. BARNES, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TRAILL, WALSH, WARD.

Sources: 1, 11, 16, 17, 19, 2, 24, 26, 27, 29, 30, 31, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, *15*, *18*, *25*.

Photographed in VII–IX.

32 (984). *Scutellaria parvula* Michx., small skullcap

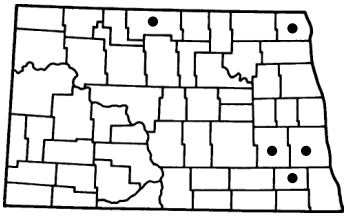


Distribution. CASS, GRAND FORKS, RANSOM, RICHLAND, SARGENT, WALSH.

Sources: 1, 10, 14, 26, 29, 3, 39, 41, 43, 5, 7, *18*, *25*, *27*, *7*.

33 (985). *Stachys aspera* Michx., hyssopleaf hedgenettle

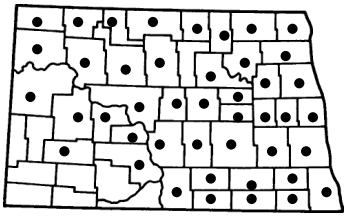
Stachys ambigua, Stachys grayana



Distribution. BARNES, BOTTINEAU, CASS, PEMBINA, RANSOM.

Sources: 27, 3, 5.

34 (986). *Stachys palustris* L., marsh hedgenettle

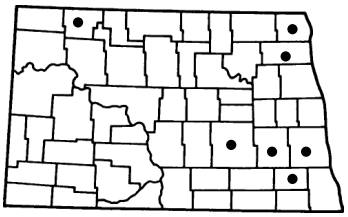


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 3, 30, 31, 4, 42, 43, 44, 45, 5, 6, 7, 8, *29*, *39*, *41*, *43*, *45*, *5*, *7*, *9*.

Photographed in VII–VIII.

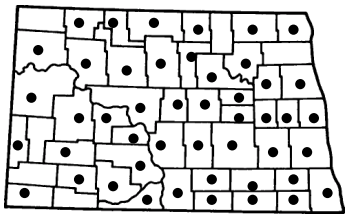
35 (987). *Stachys tenuifolia* Willd., smooth hedgenettle



Distribution. BARNES, BURKE, CASS, PEMBINA, RANSOM, STUTSMAN, WALSH.

Sources: 1, 11, 15, 16, 29, 30, 39, 43, 45, 5, *13*, *41*.

36 (988). *Teucrium canadense* L., Canada germander



Distribution. BARNES, BENSON, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS.

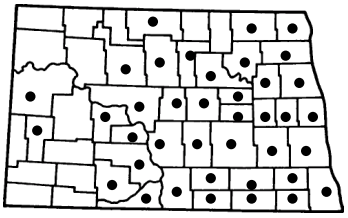
Sources: 1, 11, 15, 16, 19, 2, 21, 24, 25, 26, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *13*, *17*, *18*, *27*, *28*, *3*, *43*, *7*, *9*.

Photographed in VII–IX.

59. Leguminosae, Pea family

1 (989). *Amorpha canescens* Pursh, leadplant

Amorpha brachycarpa, Amorpha bushii, Amorpha croceolanata, Amorpha curtissii, Amorpha dewinkeleri, Amorpha occidentalis, Amorpha tennesseensis, Amorpha virgata

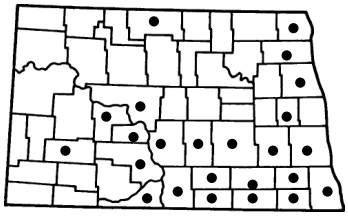


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 10, 11, 12, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9.

Photographed in VII–IX.

2 (990). *Amorpha fruticosa* L., false indigo bush

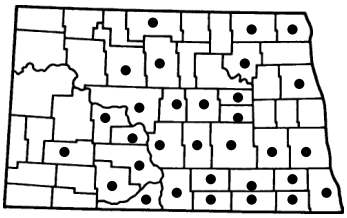


Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, DICKEY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MERCER, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, WALSH.

Sources: 1, 11, 12, 14, 15, 16, 18, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 5, 6, 7.

Photographed in VII.

3 (991). *Amorpha nana* Nutt., dwarf false indigo

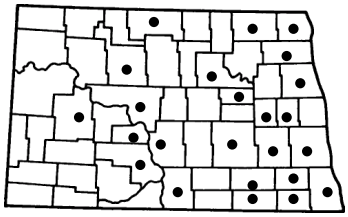


Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, STARK, STUTSMAN, WARD, WELLS.

Sources: 1, 10, 11, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8.

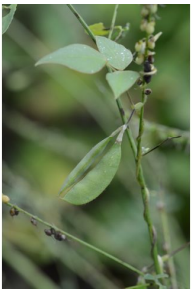
Photographed in VII–IX.

4 (992). *Amphicarpaea bracteata* (L.) Fernald, American hogpeanut

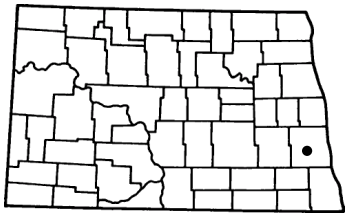


Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, LAMOURE, MCLEAN, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, WALSH, WARD.

Sources: 14, 18, 24, 29, 3, 39, 4, 41, 42, 43, 5, *11*, *17*, *1*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *43*, *6*, *7*, *8*.



5 (993). *Anthyllis vulneraria* L., common kidneyvetch

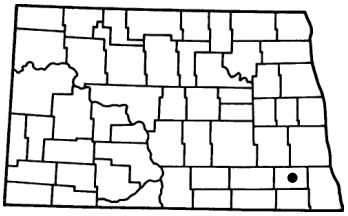


Distribution. CASS. Introduced.

Sources: 27, 29, 3, 39.

6 (994). *Apios americana* Medik., groundnut

Glycine apios



Distribution. RANSOM.

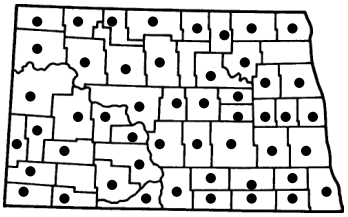
Sources: 1, 25, 26, 27, 29, 33, 34, 35, 39, 41, 43, *5*.

? *Arachis hypogaea* L., peanut

Sources: 38, 7.

7 (995). *Astragalus agrestis* Douglas ex G. Don, purple milkvetch

Astragalus dasyglottis, Astragalus goniatus, Astragalus hypoglottis



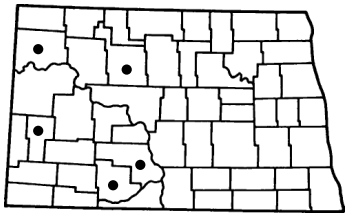
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 2, 21, 24, 25, 26, 29, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, *17*, *18*, *19*, *27*, *28*, *3*, *45*, *7*, *9*.

Photographed in V–VII.

8 (996). *Astragalus australis* (L.) Lam., Indian milkvetch

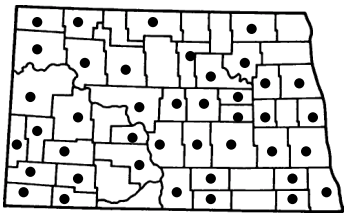
Astragalus aboriginorum, Astragalus linearis, Astragalus richardsonii, Astragalus scrupulicola, Atelophragma aboriginorum



Distribution. BILLINGS, GRANT, MORTON, WARD, WILLIAMS.

Sources: 29, 34, 39, 41, 43, 45, *17*, *1*, *27*, *32*, *33*, *35*, *6*, *7*.

9 (997). *Astragalus bisulcatus* (Hook.) A. Gray, twogrooved milkvetch

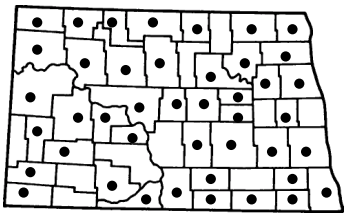


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 17, 18, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *19*, *7*, *9*.

Photographed in VI.

10 (998). *Astragalus canadensis* L., Canadian milkvetch

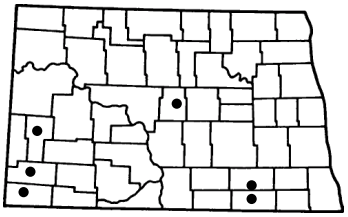


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 17, 18, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *19*, *7*.

Photographed in VII.

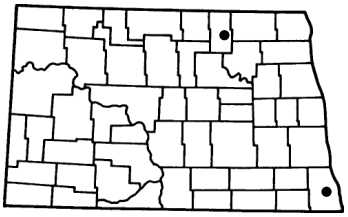
11 (999). *Astragalus ceramicus* Sheldon, painted milkvetch



Distribution. BILLINGS, BOWMAN, DICKEY, LAMOURE, SHERIDAN, SLOPE.

Sources: 1, 2, 29, 32, 33, 39, 41, 43, 5, *27*, *32*, *5*, *7*.

12 (1000). *Astragalus cicer* L., chickpea milkvetch

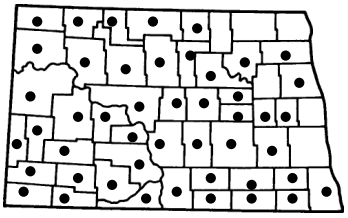


Distribution. RICHLAND, TOWNER. Introduced.

Sources: 4, 7.

Photographed in VII.

13 (1001). *Astragalus crassicarpus* Nutt., groundplum milkvetch



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 18, 2, 21, 24, 25, 26, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *12*, *17*, *19*, *27*, *28*, *7*.

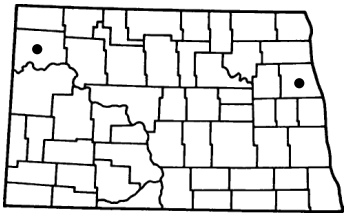
Photographed in V–VI.

? *Astragalus distortus* Torr. & A. Gray, Ozark milkvetch

Sources: 7.

14 (1002). *Astragalus drummondii* Douglas ex Hook., Drummond's milkvetch

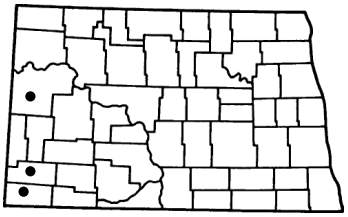
Tium drummondii



Distribution. GRAND FORKS, WILLIAMS.

Sources: 1, 27, 29, 34, 39, 41, 43, 5, 7, *13*, *35*.

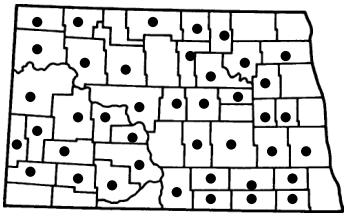
15 (1003). *Astragalus eucosmus* B.L. Rob., elegant milkvetch



Distribution. BOWMAN, MCKENZIE, SLOPE.

Sources: 45, *5*.

16 (1004). *Astragalus flexuosus* Douglas ex G. Don, flexile milkvetch

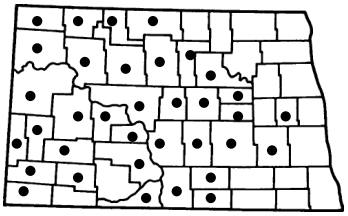


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 2, 21, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *19*.

Photographed in VI.

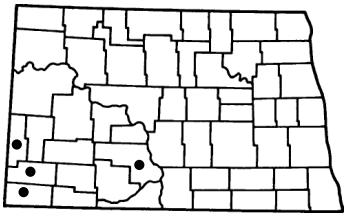
17 (1005). *Astragalus gilviflorus* Sheldon, plains milkvetch



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, RENVILLE, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 18, 24, 29, 3, 31, 32, 39, 4, 41, 43, 45, 5, 6, 8, *17*, *19*, *27*, *28*, *32*, *45*, *7*.

18 (1006). *Astragalus gracilis* Nutt., slender milkvetch



Distribution. BOWMAN, GOLDEN VALLEY, MORTON, SLOPE.

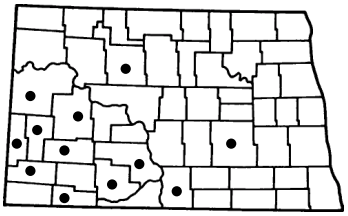
Sources: 1, 27, 29, 32, 33, 39, 41, 43, 5, 7.

? *Astragalus hyalinus* M.E. Jones, summer milkvetch

Orophaca hyalina

Sources: 29.

19 (1007). *Astragalus kentrophyta* A. Gray, spiny milkvetch

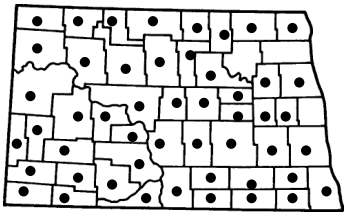


Distribution. ADAMS, BILLINGS, DUNN, EMMONS, GOLDEN VALLEY, GRANT, MCKENZIE, MORTON, SLOPE, STARK, STUTSMAN, WARD.

Sources: 1, 29, 3, 39, 41, 43, 5, *27*, *32*.

20 (1008). *Astragalus laxmannii* Jacq., Laxmann's milkvetch

Astragalus adsurgens



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

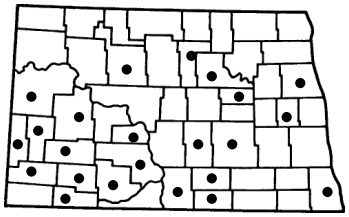
Sources: 29, 39, 4, 41, 43, 5, *11*, *13*, *17*, *19*, *1*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *43*, *44*, *45*, *6*, *7*, *8*.

Photographed in V–VII.

? *Astragalus lindheimeri* Engelm. ex A. Gray, Lindheimer's milkvetch

Sources: 45.

21 (1009). *Astragalus lotiflorus* Hook., lotus milkvetch



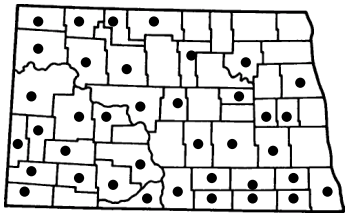
Distribution. ADAMS, BENSON, BILLINGS, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MORTON, OLIVER, PIERCE, RICHLAND, SLOPE, STARK, STEELE, STUTSMAN, WARD.

Sources: 1, 10, 11, 14, 17, 18, 24, 25, 26, 29, 3, 31, 32, 39, 4, 41, 42, 43, 45, 6, 7, 8, *27*, *43*.

? *Astragalus miser* Douglas ex Hook., timber milkvetch

Sources: *7*.

22 (1010). *Astragalus missouriensis* Nutt., Missouri milkvetch



Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 18, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 6, 7, 8, *5*.

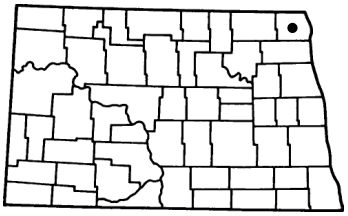
Photographed in V–VI.

? *Astragalus mollissimus* Torr., woolly locoweed

Sources: *7*.

23 (1011). *Astragalus neglectus* (Torr. & A. Gray) Sheldon, Cooper's milkvetch

Astragalus cooperi, Phaca neglecta

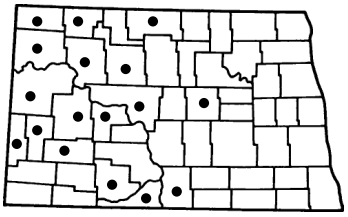


Distribution. PEMBINA.

Sources: 29, 34, 35, 39, 41, 43.

24 (1012). *Astragalus pectinatus* (Douglas ex Hook.) Douglas ex G. Don, narrowleaf milkvetch

Cnemidophacos pectinatus



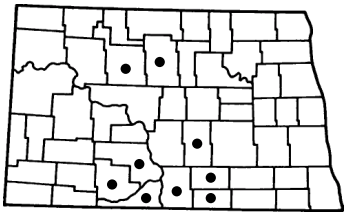
Distribution. BILLINGS, BOTTINEAU, BURKE, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, SIOUX, STARK, WARD, WELLS, WILLIAMS.

Sources: 1, 13, 17, 18, 24, 27, 29, 3, 32, 39, 4, 41, 43, 44, 45, 6, *5*, *7*.

Photographed in VI.

25 (1013). *Astragalus plattensis* Nutt., Platte River milkvetch

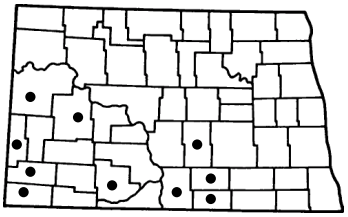
Astragalus pachycarpus, Geoprumnon plattense



Distribution. EMMONS, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MORTON, SIOUX, WARD.

Sources: 1, 17, 18, 27, 29, 3, 31, 39, 4, 41, 43.

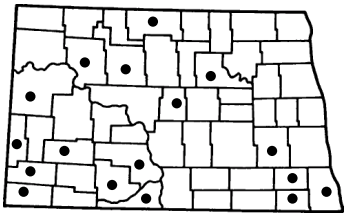
26 (1014). *Astragalus purshii* Douglas ex Hook., woollypod milkvetch



Distribution. BOWMAN, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, SLOPE.

Sources: 1, 27, 29, 31, 32, 39, 41, 43, 5.

27 (1015). *Astragalus racemosus* Pursh, cream milkvetch

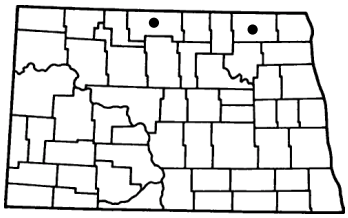


Distribution. BARNES, BENSON, BOTTINEAU, BOWMAN, GOLDEN VALLEY, GRANT, MCKENZIE, MORTON, MOUNTRAIL, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, WARD.

Sources: 1, 11, 25, 27, 28, 29, 3, 39, 4, 41, 43, 45, 5, 6, 7, *26*, *32*.

Photographed in V–VI.

28 (1016). *Astragalus reflexus* Torr. & A. Gray, drooping milkvetch

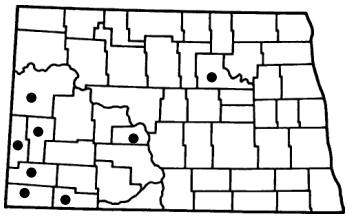


Distribution. BOTTINEAU, CAVALIER.

Sources: *5*, *7*.

29 (1017). *Astragalus spatulatus* Sheldon, tufted milkvetch

Astragalus caespitosus, Homalobus caespitosus, Orophaca caespitosa

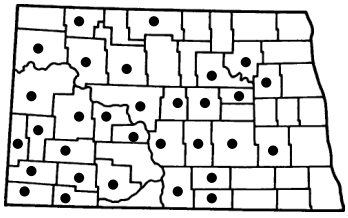


Distribution. ADAMS, BENSON, BILLINGS, BOWMAN, GOLDEN VALLEY, MCKENZIE, OLIVER, SLOPE.

Sources: 1, 24, 29, 3, 32, 39, 41, 42, 43, 45, 5, 6, *27*, *7*.

30 (1018). *Astragalus tenellus* Pursh, looseflower milkvetch

Homalobus tenellus

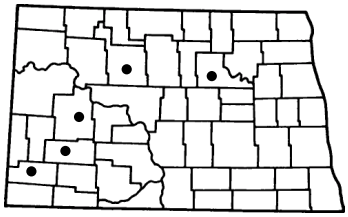


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, RAMSEY, SHERIDAN, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 21, 24, 28, 29, 3, 31, 32, 4, 41, 43, 44, 45, 5, 6, 7, 8, *19*, *27*, *39*, *43*, *45*.

Photographed in VI–VII.

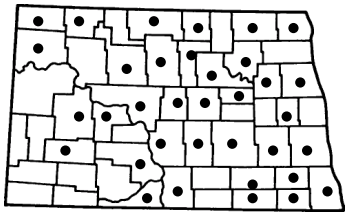
31 (1019). *Astragalus vexilliflexus* Sheldon, bentflower milkvetch



Distribution. BENSON, DUNN, SLOPE, STARK, WARD.

Sources: 1, 24, 27, 29, 32, 33, 34, 35, 39, 4, 41, 42, 43, 45, 5, 7.

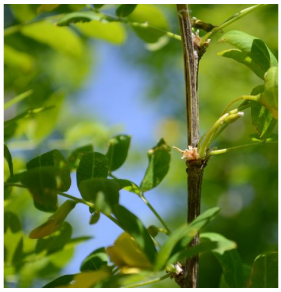
32 (1020). *Caragana arborescens* Lam., Siberian peashrub



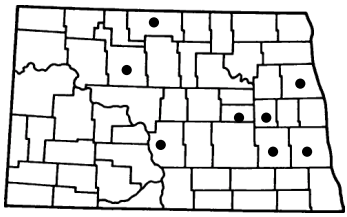
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, MCHENRY, MCLEAN, MERCER, MORTON, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 18, 19, 2, 24, 25, 26, 29, 30, 39, 4, 40, 42, 43, 45, 5, 7, 8, *21*, *44*.

Photographed in VI–X.



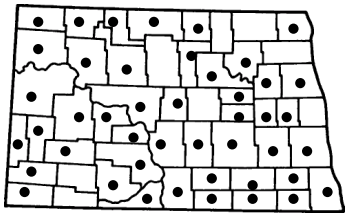
33 (1021). *Caragana aurantiaca* Koehne, dwarf peashrub



Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, FOSTER, GRAND FORKS, GRIGGS, WARD. Introduced.

Sources: 29, 39, 7.

34 (1022). *Dalea candida* Michx. ex Willd., white prairie clover



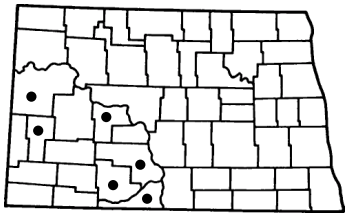
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 14, 18, 2, 29, 39, 4, 41, 42, 43, 44, 45, 5, 7, 8, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *30*, *31*, *32*, *43*, *45*, *5*, *6*, *7*, *9*.

Photographed in VII.

35 (1023). *Dalea enneandra* Nutt., nineanther prairie clover

Parosela enneandra

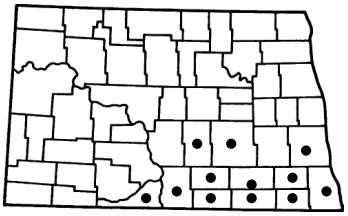


Distribution. BILLINGS, GRANT, MCKENZIE, MERCER, MORTON, SIOUX.

Sources: 1, 18, 27, 29, 3, 33, 34, 35, 39, 41, 43, 5, 6, 7, *5*.

36 (1024). *Dalea leporina* (Aiton) Bullock, foxtail prairie clover

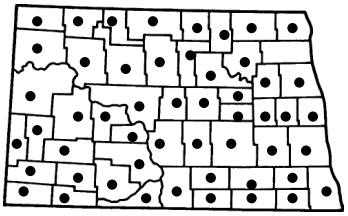
Dalea alopecuroides, Dalea lagopus, Parosela alopecuroides



Distribution. CASS, DICKEY, EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN.

Sources: 1, 18, 2, 26, 29, 31, 39, 41, 43, 5, *25*, *27*, *7*.

37 (1025). *Dalea purpurea* Vent., purple prairie clover

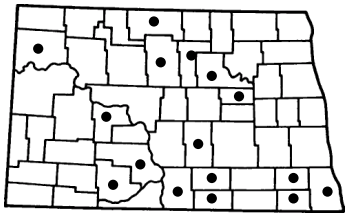


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 10, 12, 14, 19, 2, 21, 29, 39, 4, 41, 42, 43, 44, 45, 5, 7, 8, *11*, *13*, *17*, *1*, *24*, *25*, *26*, *27*, *28*, *30*, *31*, *32*, *43*, *45*, *6*, *7*, *9*.

Photographed in VII–IX.

38 (1026). *Dalea villosa* (Nutt.) Spreng., silky prairie clover

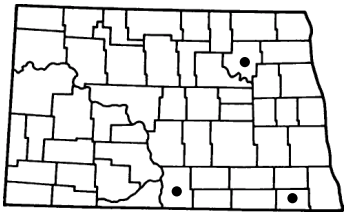


Distribution. BENSON, BOTTINEAU, EDDY, EMMONS, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MERCER, MORTON, PIERCE, RANSOM, RICHLAND, SARGENT, WILLIAMS.

Sources: 19, 29, 39, 4, 41, 43, 44, 45, 5, 8, *1*, *25*, *26*, *27*, *28*, *31*, *43*, *45*, *7*.

39 (1027). *Desmanthus illinoensis* (Michx.) MacMill. ex B.L. Rob. & Fernald, Illinois bundleflower

Acuan illinoense, Mimosa illinoensis

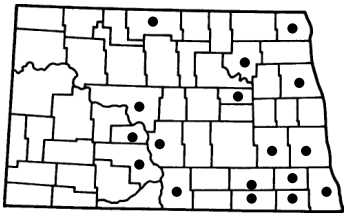


Distribution. EMMONS, RAMSEY, SARGENT.

Sources: 1, 15, 16, 18, 26, 27, 29, 3, 31, 33, 34, 35, 39, 41, 43, 7, *21*, *25*.

40 (1028). *Desmodium canadense* (L.) DC., showy ticktrefoil

Meibomia canadensis



Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, DICKEY, EDDY, EMMONS, GRAND FORKS, LAMOURE, MCLEAN, MORTON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT.

Sources: 1, 11, 15, 16, 2, 25, 26, 27, 28, 29, 31, 39, 41, 42, 43, 45, 5, 6, 7, 8, *18*, *30*, *3*.

? *Desmodium canescens* (L.) DC., hoary ticktrefoil

Meibomia canescens

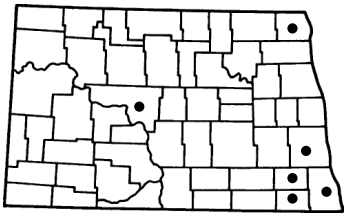
Sources: *21*.

? *Desmodium cuspidatum* (Muhl. ex Willd.) DC. ex D. Don, largebract ticktrefoil

Sources: *18*, *3*.

41 (1029). *Desmodium glutinosum* (Muhl. ex Willd.) Alph. Wood, pointedleaf ticktrefoil

Desmodium acuminatum, Meibomia acuminata

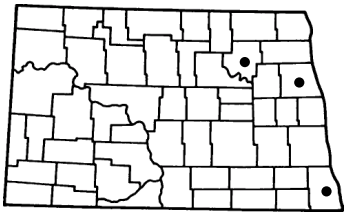


Distribution. CASS, MCLEAN, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 1, 25, 26, 29, 30, 41, 43, 45, 6, *27*, *39*.

42 (1030). *Desmodium illinoense* A. Gray, Illinois ticktrefoil

Meibomia illinoensis

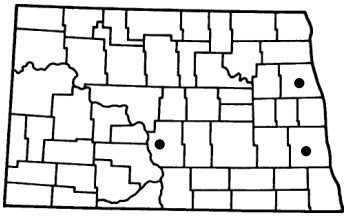


Distribution. GRAND FORKS, RAMSEY, RICHLAND.

Sources: 4, *21*.

Photographed in VII–VIII.

43 (1031). *Gleditsia triacanthos* L., honeylocust



Distribution. BURLEIGH, CASS, GRAND FORKS.

Sources: 1, 29, 39, 41, 43, 7.

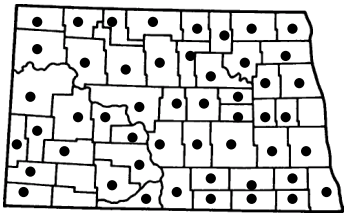
? *Glycine max* (L.) Merr., soybean

Dolichos soja, Glycine gracilis, Glycine hispida, Glycine soja, Glycine soja, Glycine ussuriensis, Phaseolus maSoja hispida, Soja max

Sources: 38, *7*.

44 (1032). *Glycyrrhiza lepidota* Pursh, American licorice

Glycyrrhiza glutinosa

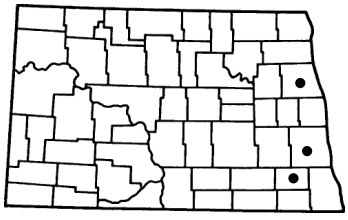


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 16, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *17*.

Photographed in VII–VIII.

45 (1033). *Gymnocladus dioicus* (L.) K. Koch, Kentucky coffeetree



Distribution. CASS, GRAND FORKS, RANSOM.

Sources: 29, 39, 43, *1*, *41*, *7*.

† *Halimodendron halodendron* (Pall.) Voss, common salttree

Robinia halodendron

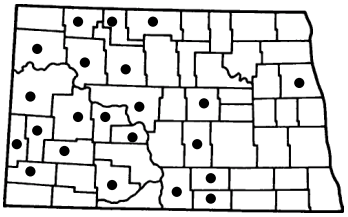
Sources: 29, 39.

† *Hedysarum alpinum* L., alpine sweetvetch

Hedysarum americanum, Hedysarum caucasicum, Hedysarum hedysaroides, Hedysarum philoscia, Hedysarum sibiricum, Hedysarum truncatum

Sources: 29, 39.

46 (1034). *Hedysarum boreale* Nutt., Utah sweetvetch



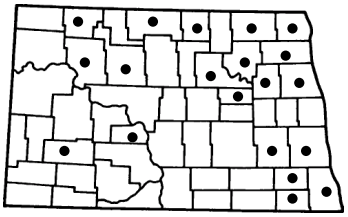
Distribution. BILLINGS, BOTTINEAU, BURKE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, RENVILLE, SLOPE, STARK, WARD, WELLS, WILLIAMS.

Sources: 1, 13, 17, 19, 24, 27, 28, 29, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7.

? *Lathyrus latifolius* L., perennial pea

Sources: *18*.

47 (1035). *Lathyrus ochroleucus* Hook., cream pea

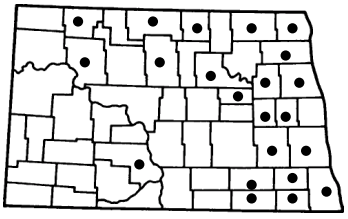


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, EDDY, GRAND FORKS, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, WALSH, WARD.

Sources: 1, 11, 13, 14, 17, 18, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *21*, *7*.

Photographed in VI.

48 (1036). *Lathyrus palustris* L., marsh pea

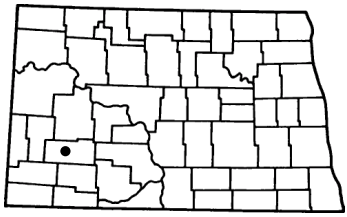


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, EDDY, GRAND FORKS, GRIGGS, LAMOURE, MCHENRY, MORTON, MOUNTRAIL, NELSON, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, WALSH.

Sources: 1, 10, 11, 15, 16, 19, 2, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 5, 6, 7, 8, *9*.

Photographed in VII.

49 (1037). *Lathyrus sativus* L., white pea

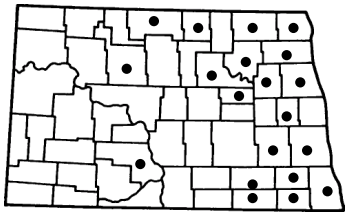


Distribution. STARK. Introduced.

Sources: 24, 39.

50 (1038). *Lathyrus venosus* Muhl. ex Willd., veiny pea

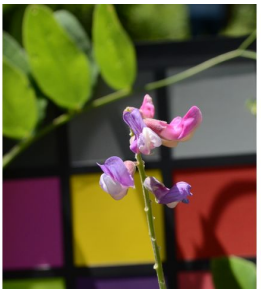
Lathyrus oreophilus



Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DICKEY, EDDY, GRAND FORKS, LAMOURE, MORTON, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, WALSH, WARD.

Sources: 1, 11, 14, 18, 19, 2, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 44, 45, 6, 7, 8.

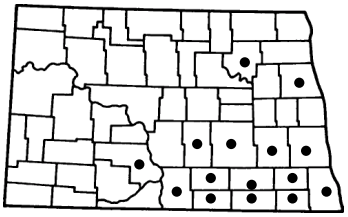
Photographed in VI–VII.



? *Lens culinaris* Medik., lentils

Sources: 38.

51 (1039). *Lotus corniculatus* L., bird's-foot trefoil



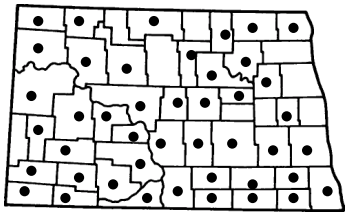
Distribution. BARNES, CASS, DICKEY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN. Introduced.

Sources: 1, 11, 2, 21, 25, 26, 29, 31, 39, 4, 40, 43, 45, 5, 7.

Photographed in VIII.

52 (1040). *Lotus unifoliolatus* (Hook.) Benth., American bird's-foot trefoil

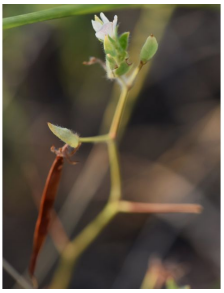
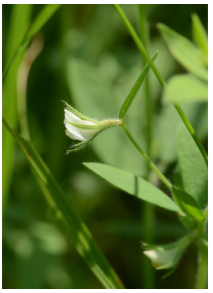
Lotus americanus



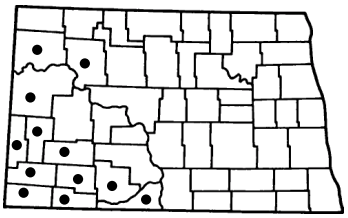
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 12, 18, 29, 4, 41, 42, 43, 45, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *3*, *43*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VI–VIII.

53 (1041). *Lupinus argenteus* Pursh, silvery lupine

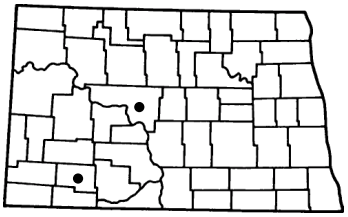


Distribution. ADAMS, BILLINGS, BOWMAN, GOLDEN VALLEY, GRANT, HETTINGER, MCKENZIE, MOUNTRAIL, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 13, 18, 24, 27, 29, 3, 32, 39, 4, 41, 43, 45, 6, 7.

Photographed in VI–VIII.

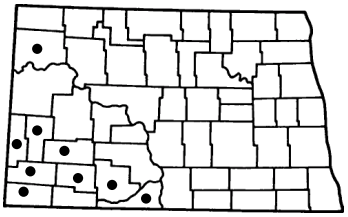
54 (1042). *Lupinus caudatus* Kellogg, tailcup lupine



Distribution. HETTINGER, MCLEAN.

Sources: 39, 41, *45*.

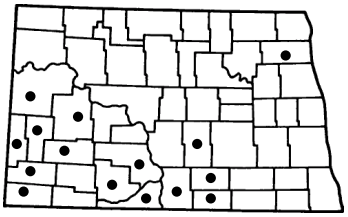
55 (1043). *Lupinus parviflorus* Nutt. ex Hook. & Arn., lodgepole lupine



Distribution. BILLINGS, BOWMAN, GOLDEN VALLEY, GRANT, HETTINGER, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 29, 39, 41, 43.

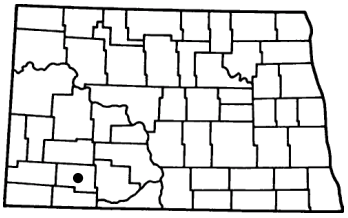
56 (1044). *Lupinus pusillus* Pursh, rusty lupine



Distribution. BILLINGS, BOWMAN, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MORTON, SIOUX, SLOPE, STARK, WALSH.

Sources: 1, 18, 24, 27, 29, 3, 31, 32, 39, 41, 43, 45, 6, 7, *7*.

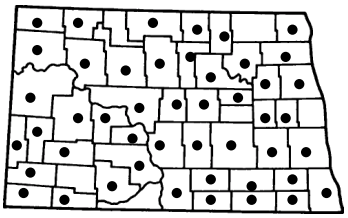
57 (1045). *Lupinus* ×*alpestris* (A. Nelson) D.B. Dunn & J.M. Gillett, Great Basin lupine



Distribution. HETTINGER.

Sources: *45*.

58 (1046). *Medicago lupulina* L., black medick

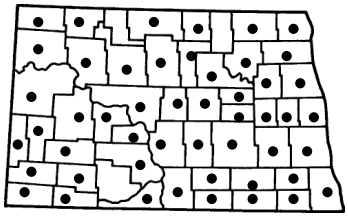


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 18, 19, 2, 21, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 40, 42, 43, 44, 45, 5, 6, 7, 8, *24*, *30*.

Photographed in VI–IX.

59 (1047). *Medicago sativa* L., alfalfa



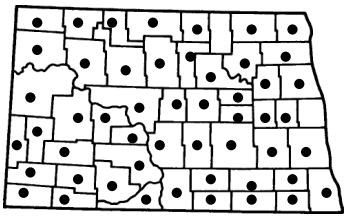
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *1*, *27*, *30*, *45*, *7*.

Photographed in VI–X.

60 (1048). *Melilotus officinalis* (L.) Lam., sweetclover

Melilotus alba



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 12, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 42, 43, 45, 5, 6, 7, 8, 9, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *44*, *45*, *6*, *7*, *8*, *9*.

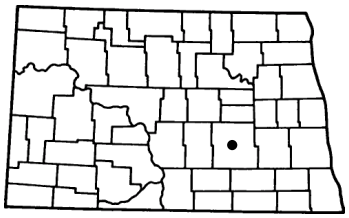
Photographed in VI–X.

? *Mimosa nuttallii* (DC. ex Britton & Rose) B.L. Turner, Nuttall's sensitive-briar

Leptoglottis nuttallii, Schrankia nuttallii

Sources: 29.

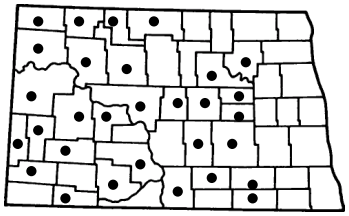
61 (1049). *Onobrychis viciifolia* Scop., sainfoin



Distribution. STUTSMAN. Introduced.

Sources: *6*.

62 (1050). *Oxytropis campestris* (L.) DC., field locoweed

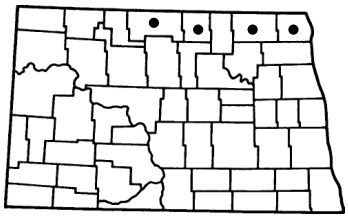


Distribution. ADAMS, BENSON, BILLINGS, BOTTINEAU, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRANT, KIDDER, LAMOURE, LOGAN, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, RAMSEY, RENVILLE, SHERIDAN, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 19, 2, 24, 28, 29, 31, 32, 34, 39, 4, 43, 44, 45, 5, 6, 7, 8, *45*, *7*.

Photographed in VI–VIII.

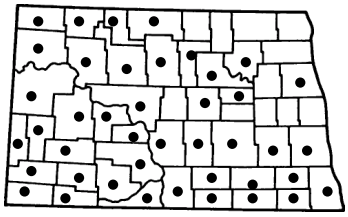
63 (1051). *Oxytropis deflexa* (Pall.) DC., nodding locoweed



Distribution. BOTTINEAU, CAVALIER, PEMBINA, ROLETTE.

Sources: 27, 28, 29, 3, 30, 33, 34, 35, 39, 4, 41, 42, 43, 45, 5.

64 (1052). *Oxytropis lambertii* Pursh, purple locoweed



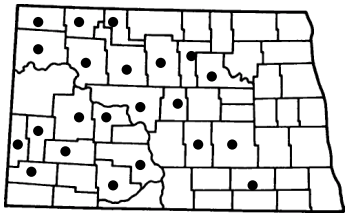
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 14, 17, 18, 19, 2, 21, 24, 25, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *13*, *18*, *26*, *45*.

Photographed in VI–VII.

65 (1053). *Oxytropis monticola* A. Gray, yellowflower locoweed

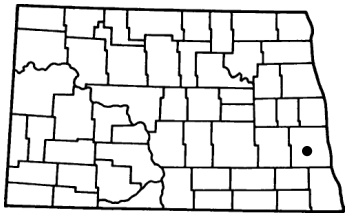
Oxytropis gracilis, Oxytropis luteola, Oxytropis villosa



Distribution. BENSON, BILLINGS, BURKE, DIVIDE, DUNN, GOLDEN VALLEY, GRANT, KIDDER, LAMOURE, MCHENRY, MCLEAN, MERCER, MORTON, MOUNTRAIL, PIERCE, RENVILLE, SHERIDAN, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 29, 3, 39, 4, 41, 43, *27*.

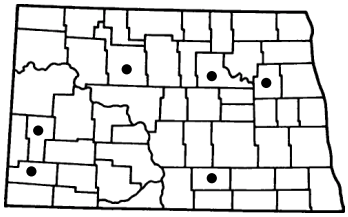
66 (1054). *Oxytropis riparia* Litv., Oxus locoweed



Distribution. CASS. Introduced.

Sources: 29, 39, 45.

67 (1055). *Oxytropis sericea* Nutt., white locoweed



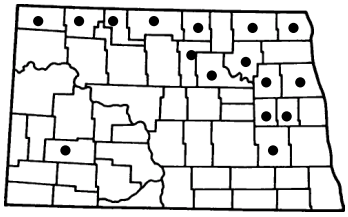
Distribution. BENSON, BILLINGS, LOGAN, NELSON, SLOPE, WARD.

Sources: 27, 32, 34, 35, 39, 4, 43, 45, *1*.

Photographed in V–X.

68 (1056). *Oxytropis splendens* Douglas ex Hook., showy locoweed

Aragallus splendens, Astragalus splendens, Oxytropis richardsonii



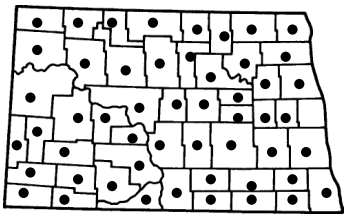
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CAVALIER, DIVIDE, GRAND FORKS, GRIGGS, NELSON, PEMBINA, PIERCE, RAMSEY, RENVILLE, ROLETTE, STARK, STEELE.

Sources: 1, 11, 13, 18, 21, 27, 28, 29, 3, 30, 39, 4, 41, 43, 44, 45, 5, 6, 7.

Photographed in VII.

69 (1057). *Pediomelum argophyllum* (Pursh) J. Grimes, silverleaf Indian breadroot

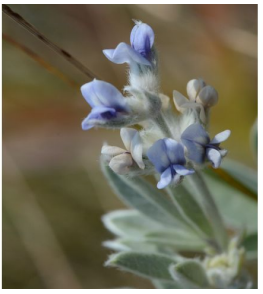
Psoralea argophylla, Psoralea collina, Psoralidium argophyllum



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

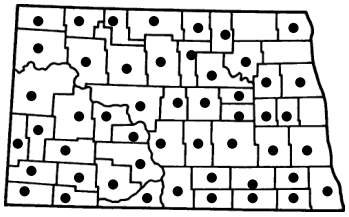
Sources: 12, 14, 18, 29, 3, 39, 4, 41, 42, 43, 45, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *43*, *44*, *45*, *6*, *7*, *8*, *9*.

Photographed in VI–X.



70 (1058). *Pediomelum esculentum* (Pursh) Rydb., large Indian breadroot

Psoralea esculenta



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 12, 14, 18, 29, 3, 39, 4, 41, 42, 43, 45, 5, *10*, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *44*, *45*, *6*, *7*, *8*, *9*.

Photographed in V–VII.

? *Phaseolus vulgaris* L., common beans

Sources: 38.

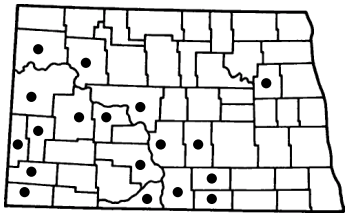
? *Pisum sativum* L., garden pea

Pisum arvense, Pisum humile

Sources: 18, 38, 43.

71 (1059). *Psoralidium lanceolatum* (Pursh) Rydb., lemon scurfpea

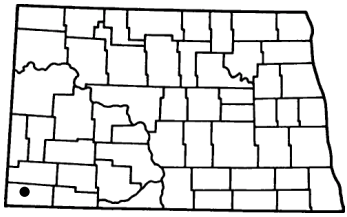
Psoralea lanceolata, Psoralea micrantha, Psoralea scabra, Psoralea stenostachys, Psoralidium stenophyllum, Psoralidium batesii



Distribution. BILLINGS, BOWMAN, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, SIOUX, SLOPE, WILLIAMS.

Sources: 18, 29, 3, 4, 41, 43, 45, 5, *13*, *1*, *24*, *27*, *31*, *32*, *39*, *6*, *7*.

72 (1060). *Psoralidium tenuiflorum* (Pursh) Rydb., slimflower scurfpea



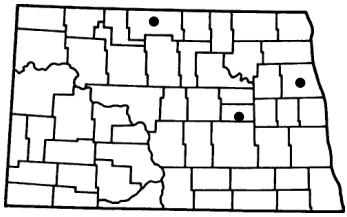
Distribution. BOWMAN.

Sources: 29, 3, 34, 4, 41, 43, *1*, *27*, *35*, *39*, *5*.

† *Robinia pseudoacacia* L., black locust

Sources: 29, 39.

73 (1061). *Securigera varia* (L.) Lassen, crownvetch



Distribution. BOTTINEAU, FOSTER, GRAND FORKS. Introduced.

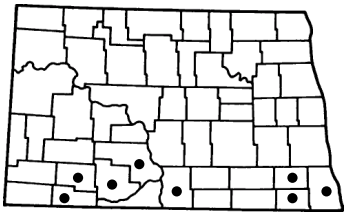
Sources: 42, *7*.

* *Sophora nuttalliana* B.L. Turner, silky sophora

Sources: 38, *7*.

74 (1062). *Strophostyles leiosperma* (Torr. & A. Gray) Piper, slickseed fuzzybean

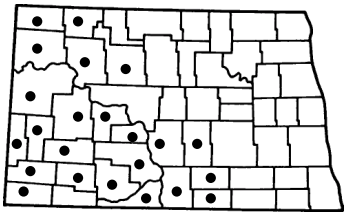
Phaseolus leiospermus



Distribution. ADAMS, EMMONS, GRANT, HETTINGER, MORTON, RANSOM, RICHLAND, SARGENT.

Sources: 1, 18, 27, 29, 3, 31, 39, 41, 43, 5, *25*, *26*, *7*.

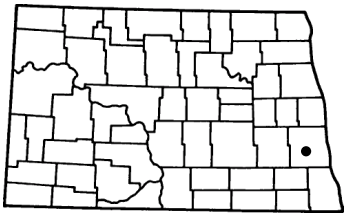
75 (1063). *Thermopsis rhombifolia* (Nutt. ex Pursh) Nutt. ex Richardson, prairie thermopsis



Distribution. BILLINGS, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, OLIVER, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 12, 13, 18, 24, 27, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 6, 7, *5*, *7*.

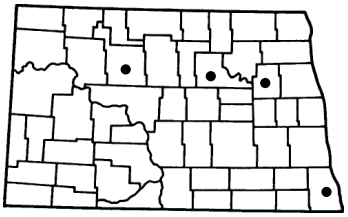
76 (1064). *Trifolium arvense* L., rabbitfoot clover



Distribution. CASS. Introduced.

Sources: 29, 39, 40, 43.

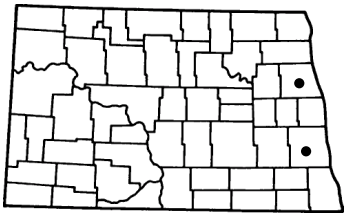
77 (1065). *Trifolium campestre* Schreb., field clover



Distribution. BENSON, NELSON, RICHLAND, WARD. Introduced.

Sources: 1, 26, 29, 39, 4, 40, 43, *17*, *25*, *27*, *9*.

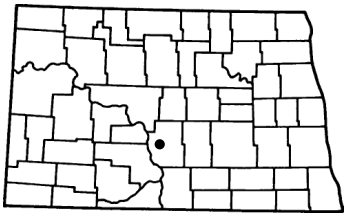
78 (1066). *Trifolium dubium* Sibth., suckling clover



Distribution. CASS, GRAND FORKS. Introduced.

Sources: 1, 27, 29, 39, 40, 43, 7.

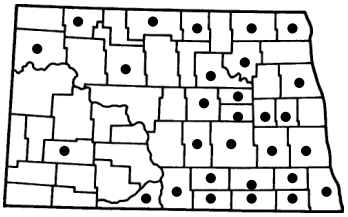
79 (1067). *Trifolium fragiferum* L., strawberry clover



Distribution. BURLEIGH. Introduced.

Sources: 29, 39.

80 (1068). *Trifolium hybridum* L., alsike clover

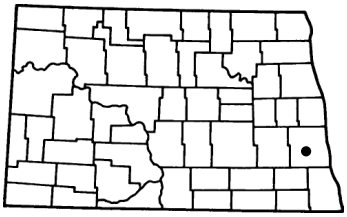


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 18, 19, 2, 20, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 40, 43, 45, 5, 7, 8.

Photographed in VII.

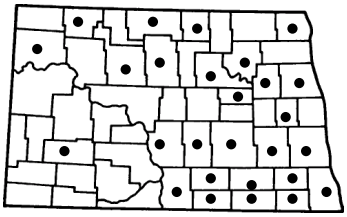
81 (1069). *Trifolium incarnatum* L., crimson clover



Distribution. CASS. Introduced.

Sources: 18, 29, 39, 43.

82 (1070). *Trifolium pratense* L., red clover

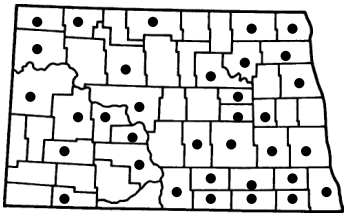


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STEELE, STUTSMAN, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 40, 42, 43, 45, 5, 6, 7, 8, *2*, *5*.

Photographed in VII.

83 (1071). *Trifolium repens* L., white clover

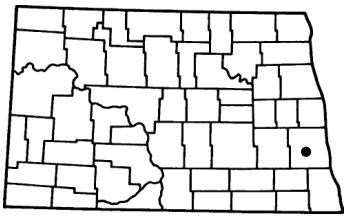


Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STARK, STUTSMAN, WALSH, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 40, 42, 43, 45, 5, 6, 7, 8.

Photographed in VII–VIII.

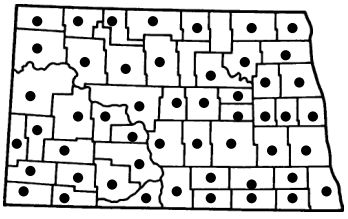
84 (1072). *Trifolium resupinatum* L., reversed clover



Distribution. CASS. Introduced.

Sources: 27, 29, 39, 43.

85 (1073). *Vicia americana* Muhl. ex Willd., American vetch

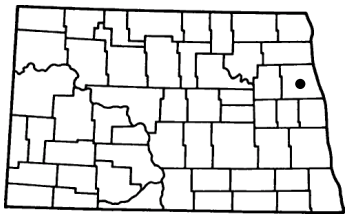


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *17*, *27*, *28*, *32*, *43*, *7*.

Photographed in V–VIII.

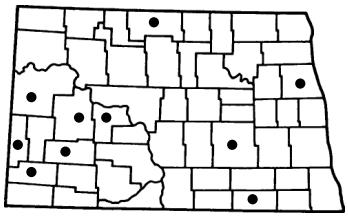
86 (1074). *Vicia cracca* L., bird vetch



Distribution. GRAND FORKS. Introduced.

Sources: 7.

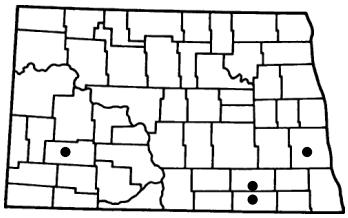
87 (1075). *Vicia sativa* L., garden vetch



Distribution. BOTTINEAU, DICKEY, DUNN, GOLDEN VALLEY, GRAND FORKS, MCKENZIE, MERCER, SLOPE, STARK, STUTSMAN. Introduced.

Sources: 14, 18, 24, 29, 3, 39, 40, 5, *27*, *28*, *32*, *7*.

88 (1076). *Vicia villosa* Roth, winter vetch



Distribution. CASS, DICKEY, LAMOURE, STARK. Introduced.

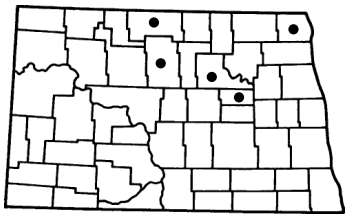
Sources: 1, 18, 2, 24, 29, 39, 40, 41, 43.

? *Vigna unguiculata* (L.) Walp., cowpea

Sources: 38, *7*.

60. Lentibulariaceae, Bladderwort family

1 (1077). *Utricularia intermedia* Hayne, flatleaf bladderwort

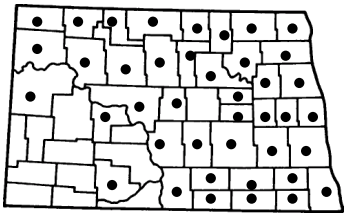


Distribution. BENSON, BOTTINEAU, EDDY, MCHENRY, PEMBINA.

Sources: 15, 18, 19, 29, 34, 35, 39, 41, 43, 45, 5, 6, 7, 8, *5*.

2 (1078). *Utricularia macrorhiza* Leconte, common bladderwort

Utricularia vulgaris

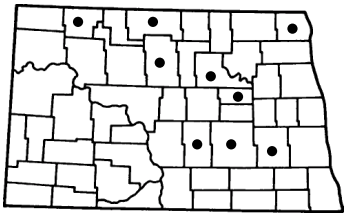


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 29, 39, 4, 41, 43, *11*, *13*, *15*, *16*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *3*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII.

3 (1079). *Utricularia minor* L., lesser bladderwort

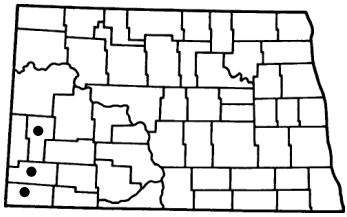


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, EDDY, KIDDER, MCHENRY, PEMBINA, STUTSMAN.

Sources: 11, 15, 29, 34, 35, 39, 41, 43, 5, 6, 7.

61. Liliaceae, Lily family

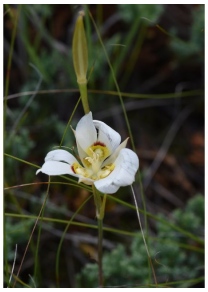
1 (1080). *Calochortus gunnisonii* S. Watson, Gunnison's mariposa lily ☐



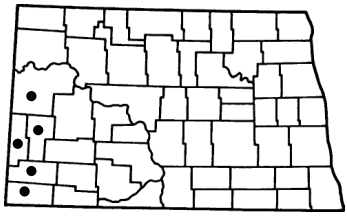
Distribution. BILLINGS, BOWMAN, SLOPE.

Sources: 4, 7.

Photographed in VI.



2 (1081). *Calochortus nuttallii* Torr. & A. Gray, sego lily ☐



Distribution. BILLINGS, BOWMAN, GOLDEN VALLEY, MCKENZIE, SLOPE.

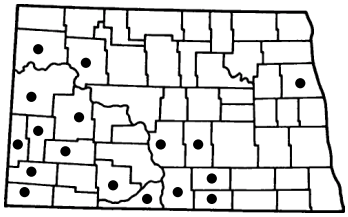
Sources: 1, 18, 24, 27, 29, 3, 32, 39, 41, 43, 45, 47, 5, 6, 7, 7.

? *Fritillaria affinis* (Schult.) Sealy, checker lily

Sources: 7.

3 (1082). *Fritillaria atropurpurea* Nutt., spotted fritillary

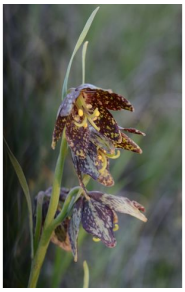
Fritillaria adamantina, Fritillaria gracillima, Fritillaria kamtschatcensis



Distribution. BILLINGS, BOWMAN, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MOUNTRAIL, SIOUX, SLOPE, STARK, WILLIAMS.

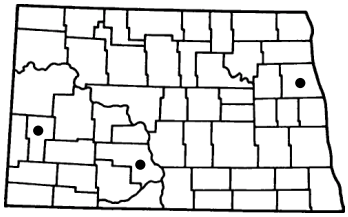
Sources: 1, 13, 18, 24, 27, 29, 3, 31, 32, 39, 4, 41, 45, 47, 5, 6, 7.

Photographed in V.



4 (1083). *Fritillaria pudica* (Pursh) Spreng., yellow fritillary

Lilium pudicum, Ochrocodon pudicus



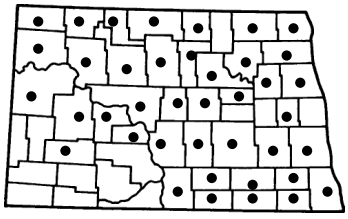
Distribution. BILLINGS, GRAND FORKS, MORTON.

Sources: 27, 29, 32, 33, 35, 39, 41, 43, 5, 5.

? *Lilium lancifolium* Thunb., tiger lily

Sources: 18, 29, 47.

5 (1084). *Lilium philadelphicum* L., wood lily



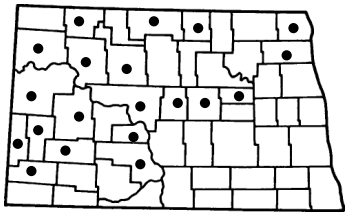
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 26, 27, 28, 29, 3, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *10*, *25*, *30*, *45*, *7*.

Photographed in VII.

6 (1085). *Prosartes trachycarpa* S. Watson, roughfruit fairybells

Disporum trachycarpum



Distribution. BILLINGS, BOTTINEAU, BURKE, DUNN, EDDY, GOLDEN VALLEY, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, PEMBINA, ROLETTE, SHERIDAN, SLOPE, STARK, WALSH, WARD, WELLS, WILLIAMS.

Sources: 18, 29, 3, 39, 4, 42, 43, 45, 47, 5, *13*, *17*, *19*, *1*, *24*, *27*, *28*, *30*, *32*, *41*, *43*, *45*, *6*, *7*, *8*.

62. Limnanthaceae, Meadow-Foam family

? *Floerkea proserpinacoides* Willd., false mermaidweed

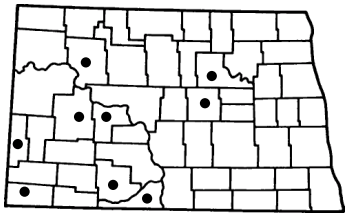
Floerkea occidentalis

Sources: 29, 47.

63. Linaceae, Flax family

1 (1086). *Linum compactum* A. Nelson, Wyoming flax

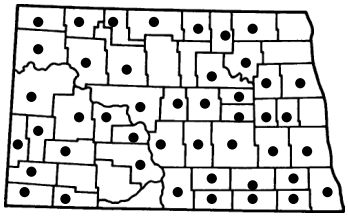
Cathartolinum compactum



Distribution. BENSON, BOWMAN, DUNN, GOLDEN VALLEY, GRANT, MERCER, MOUNTRAIL, SIOUX, WELLS.

Sources: 18, 29, 39, 41, 43, 45, 47.

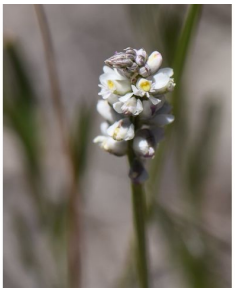
2 (1087). *Linum lewisii* Pursh, Lewis flax



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS. Introduced.

Sources: 17, 18, 27, 28, 29, 3, 32, 39, 4, 41, 42, 43, 45, 47, 7, 9, *11*, *13*, *18*, *19*, *1*, *21*, *24*, *26*, *2*, *31*, *32*, *43*, *44*, *6*, *7*, *8*.

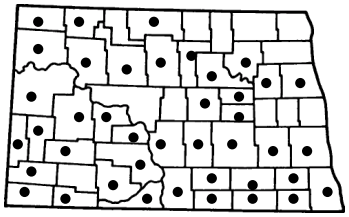
Photographed in VI–VIII.



? *Linum medium* (Planch.) Britton, stiff yellow flax

Sources: 45.

3 (1088). *Linum rigidum* Pursh, stiffstem flax

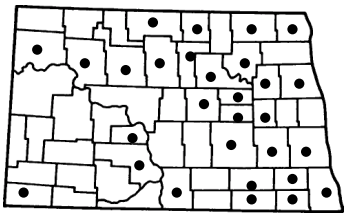


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 6, 7, 8, 9, *13*.

Photographed in VI–X.

4 (1089). *Linum sulcatum* Riddell, grooved flax



Distribution. BARNES, BENSON, BOTTINEAU, BOWMAN, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, LAMOURE, MCHENRY, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 17, 18, 19, 2, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 43, 44, 45, 47, 6, 7, 8, 9.

Photographed in VII.

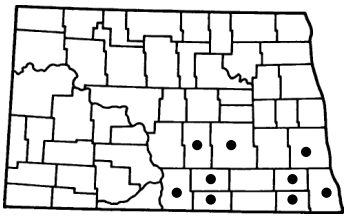
* *Linum usitatissimum* L., common flax

Linum humile

Sources: 1, 11, 13, 2, 26, 27, 28, 29, 3, 31, 38, 39, 43, 45, 47, 7, 8, *17*, *19*, *25*.

64. Linderniaceae, False pimpernel family

1 (1090). *Lindernia dubia* (L.) Pennell, yellowseed false pimpernel



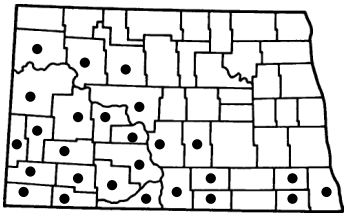
Distribution. CASS, EMMONS, KIDDER, LOGAN, MCINTOSH, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 15, 16, 18, 25, 26, 27, 29, 3, 39, 41, 43, 5, *11*, *15*, *1*, *26*, *27*, *31*, *5*, *7*.

65. Loasaceae, Loasa family

1 (1091). *Mentzelia decapetala* (Pursh ex Sims) Urb. & Gilg ex Gilg, tenpetal blazingstar

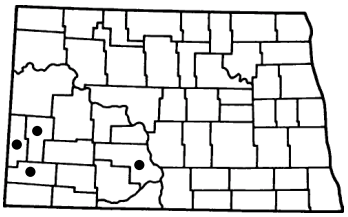
Nuttallia decapetala



Distribution. ADAMS, BILLINGS, BOWMAN, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 13, 17, 18, 24, 25, 26, 27, 29, 3, 31, 39, 4, 41, 43, 45, 5, 6, 7, *32*.

2 (1092). *Mentzelia dispersa* S. Watson, bushy blazingstar



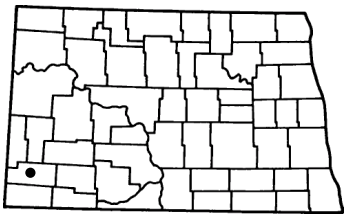
Distribution. BILLINGS, GOLDEN VALLEY, MORTON, SLOPE.

Sources: 29, 39, 41, 43, 45, 47, 7, *27*, *32*.

? *Mentzelia oligosperma* Nutt. ex Sims, chickenthief

Sources: 18, 7.

3 (1093). *Mentzelia pumila* Nutt. ex Torr. & A. Gray, dwarf mentzelia



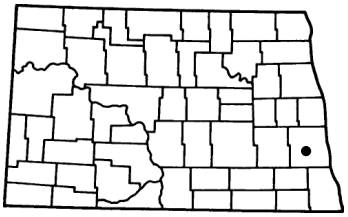
Distribution. SLOPE.

Sources: 29, 34, 35, 39, 41, 43, 5.

66. Lycopodiaceae, Club-moss family

1 (1094). *Lycopodium complanatum* L., groundcedar

Diphasiastrum complanatum, Diphasium anceps, Diphasium complanatum, Diphasium wallrothii, Lycopodium anceps



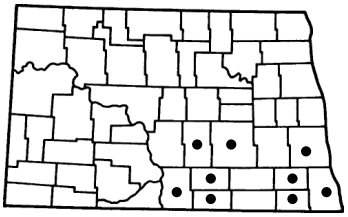
Distribution. CASS.

Sources: 23, 3, 34, 43, 5, *5*.

67. Lythraceae, Loosestrife family

1 (1095). *Ammannia coccinea* Rottb., valley redstem

Ammannia teres, Ammannia koehnei

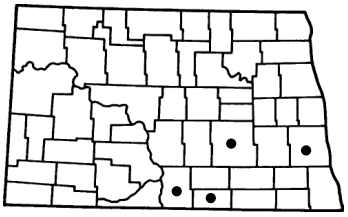


Distribution. CASS, EMMONS, KIDDER, LOGAN, MCINTOSH, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 11, 15, 25, 26, 27, 29, 31, 43, 6, *5*.

2 (1096). *Ammannia robusta* Heer & Regel, grand redstem

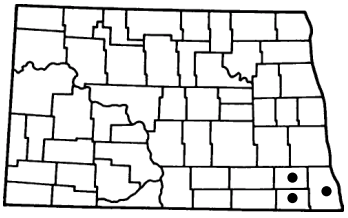
Ludwigia scabriuscula



Distribution. CASS, EMMONS, MCINTOSH, STUTSMAN.

Sources: 16, 29, 39, 41.

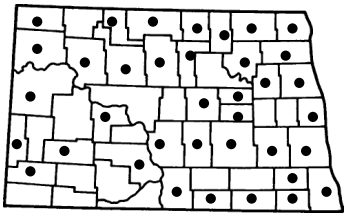
3 (1097). *Lythrum alatum* Pursh, winged lythrum



Distribution. RANSOM, RICHLAND, SARGENT.

Sources: 16, 25, 26, 27, 29, 3, 39, 41, 43, 45, 5, *15*, *1*.

4 (1098). *Lythrum salicaria* L., purple loosestrife



Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 15, 16, 25, 26, 29, 36, 37, 39, 4, 40, 43, 45, 5, 6, 7.

Photographed in X.

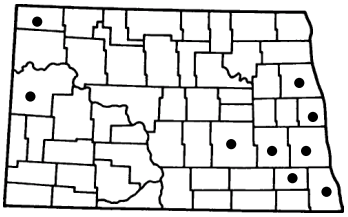
? *Lythrum virgatum* L., European wand loosestrife

Sources: 37.

68. Malvaceae, Mallow family

1 (1099). *Abutilon theophrasti* Medik., velvetleaf

Abutilon abutilon, Abutilon avicennae

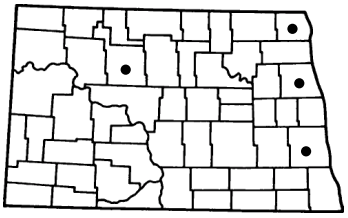


Distribution. BARNES, CASS, DIVIDE, GRAND FORKS, MCKENZIE, RANSOM, RICHLAND, STUTSMAN, TRAILL. Introduced.

Sources: 1, 24, 25, 26, 27, 29, 39, 40, 43, 47, 5, *11*, *5*.

2 (1100). *Alcea rosea* L., hollyhock

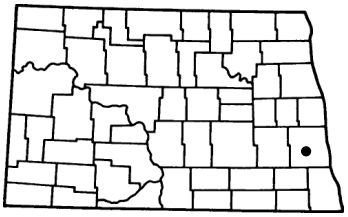
Althaea rosea



Distribution. CASS, GRAND FORKS, PEMBINA, WARD. Introduced.

Sources: 29, 39, 4, 47, 5, 7.

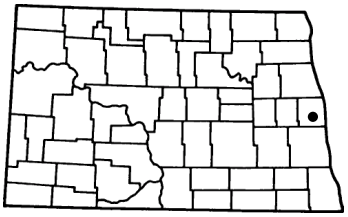
3 (1101). *Althaea officinalis* L., common marshmallow



Distribution. CASS. Introduced.

Sources: 29, 39, 43, 47, 5.

4 (1102). *Anoda cristata* (L.) Schltdl., crested anoda



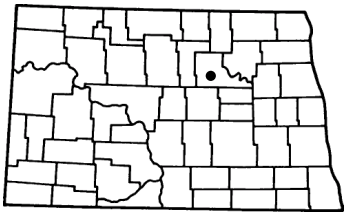
Distribution. TRAILL.

Sources: 5.

? *Callirhoë involucrata* (Torr. & A. Gray) A. Gray, purple poppymallow

Sources: 29.

5 (1103). *Hibiscus moscheutos* L., crimsoneyed rosemallow

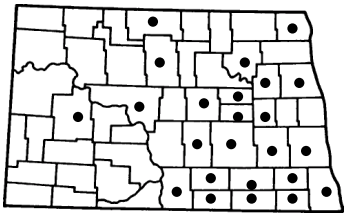


Distribution. BENSON.

Sources: 39.

6 (1104). *Hibiscus trionum* L., flower of an hour

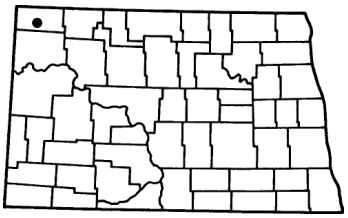
Trionum trionum



Distribution. BARNES, BOTTINEAU, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STUTSMAN, WELLS. Introduced.

Sources: 1, 11, 18, 19, 2, 24, 26, 27, 29, 31, 39, 4, 40, 43, 45, 47, 5, 7, 8.

7 (1105). *Lavatera cretica* L., Cornish mallow



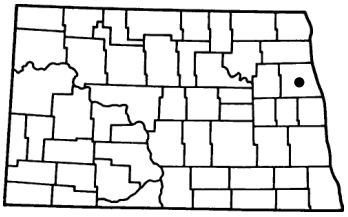
Distribution. DIVIDE. Introduced.

Sources: 5, *39*.

† *Lavatera thuringiaca* L., tree lavatera

Sources: 29, 39.

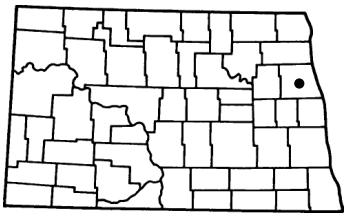
8 (1106). *Malva alcea* L., vervain mallow



Distribution. GRAND FORKS. Introduced.

Sources: 7.

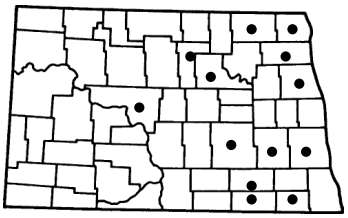
9 (1107). *Malva moschata* L., musk mallow



Distribution. GRAND FORKS. Introduced.

Sources: 7.

10 (1108). *Malva neglecta* Wallr., common mallow

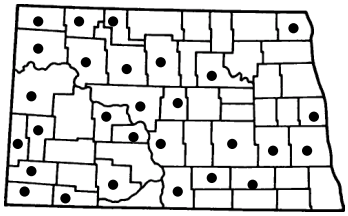


Distribution. BARNES, BENSON, CASS, CAVALIER, DICKEY, GRAND FORKS, LAMOURE, MCLEAN, PEMBINA, PIERCE, SARGENT, STUTSMAN, WALSH. Introduced.

Sources: 1, 11, 18, 2, 25, 26, 27, 29, 30, 39, 4, 40, 43, 45, 47, 5.

Photographed in VIII–IX.

11 (1109). *Malva parviflora* L., cheeseweed mallow



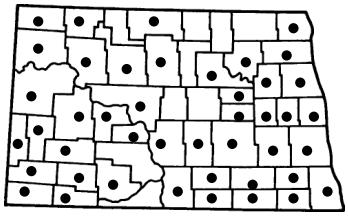
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOWMAN, BURKE, BURLEIGH, CASS, DIVIDE, EMMONS, GOLDEN VALLEY, GRANT, LAMOURE, LOGAN, MCHENRY, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RENVILLE, SHERIDAN, SLOPE, STUTSMAN, TRAILL, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 17, 18, 27, 29, 3, 39, 4, 40, 43, 45, 47, 5.

Photographed in X.

12 (1110). *Malva pusilla* Sm., low mallow

Malva rotundifolia



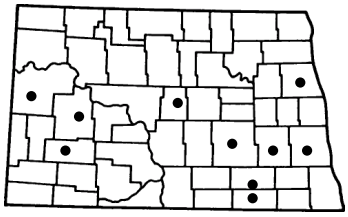
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS. Introduced.

Sources: 29, 39, 4, 43, 45, 47, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *45*, *5*, *6*, *7*, *8*.

Photographed in VIII–IX.

13 (1111). *Malva sylvestris* L., high mallow

Malva mauritiana

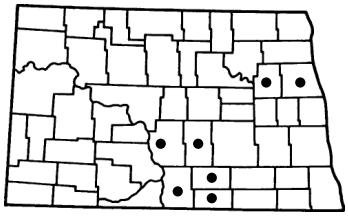


Distribution. BARNES, CASS, DICKEY, DUNN, GRAND FORKS, LAMOURE, MCKENZIE, SHERIDAN, STARK, STUTSMAN. Introduced.

Sources: 1, 11, 18, 2, 24, 27, 29, 3, 39, 43, 47, 5, 7, *18*.

14 (1112). *Malva verticillata* L., cluster mallow

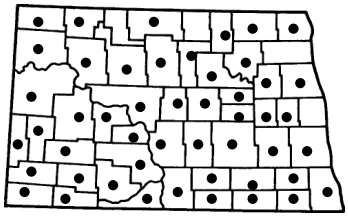
Malva crispa



Distribution. BURLEIGH, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, NELSON. Introduced.

Sources: 1, 29, 3, 31, 39, 43, 47, 5, *18*, *27*.

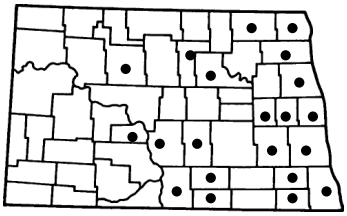
15 (1113). *Sphaeralcea coccinea* (Nutt.) Rydb., scarlet globemallow



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 19, 2, 21, 24, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *18*, *25*, *7*.

16 (1114). *Tilia americana* L., American basswood ☐



Distribution. BARNES, BENSON, BURLEIGH, CASS, CAVALIER, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCINTOSH, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, STEELE, TRAILL, WALSH, WARD.

Sources: 1, 11, 14, 17, 18, 26, 27, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, *25*.

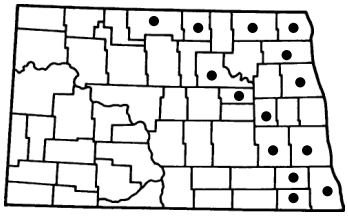
Photographed in VII–VIII.

? *Tilia* ×*europaea* L., common linden ☐

Sources: 38, *7*.

69. Melanthiaceae, Corn lily family

1 (1115). *Trillium cernuum* L., whip-poor-will flower ☐



Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, EDDY, GRAND FORKS, GRIGGS, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, WALSH.

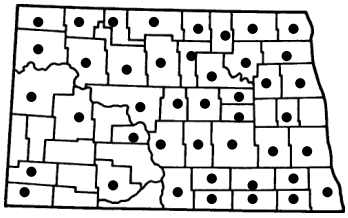
Sources: 1, 11, 14, 18, 26, 28, 29, 3, 30, 39, 4, 41, 42, 43, 47, 6, 7, *25*, *27*, *7*.

? *Trillium erectum* L., red trillium

Trillium declinatum, Trillium gleasonii

Sources: 7.

2 (1116). *Zigadenus elegans* Pursh, mountain deathcamas

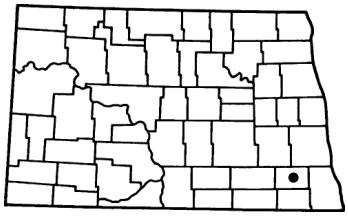


Distribution. BARNES, BENSON, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *13*, *39*, *43*, *5*, *7*.

Photographed in VII.

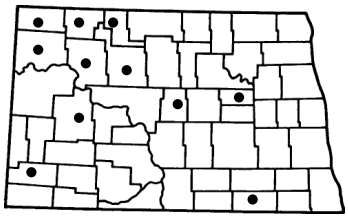
3 (1117). *Zigadenus nuttallii* (A. Gray) S. Watson, Nuttall's deathcamas



Distribution. RANSOM.

Sources: 43.

4 (1118). *Zigadenus venenosus* S. Watson, meadow deathcamas



Distribution. BURKE, DICKEY, DIVIDE, DUNN, EDDY, MOUNTRAIL, RENVILLE, SHERIDAN, SLOPE, WARD, WILLIAMS.

Sources: 1, 19, 24, 29, 3, 4, 47, 8, *13*, *17*, *27*, *32*, *39*, *41*, *5*, *7*.

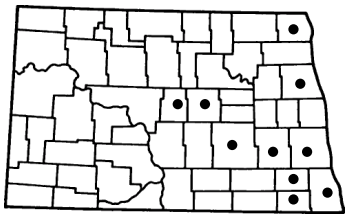
Photographed in VII.

70. Menispermaceae, Moonseed family

? *Cocculus carolinus* (L.) DC., Carolina coralbead

Sources: 38, 45.

1 (1119). *Menispermum canadense* L., common moonseed



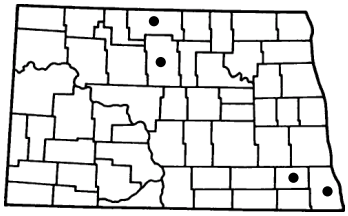
Distribution. BARNES, CASS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT, SHERIDAN, STUTSMAN, WELLS.

Sources: 1, 11, 14, 18, 26, 27, 29, 3, 30, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, *25*.

Photographed in VII–VIII.

71. Menyanthaceae, Buckbean family

1 (1120). *Menyanthes trifoliata* L., buckbean



Distribution. BOTTINEAU, MCHENRY, RANSOM, RICHLAND.

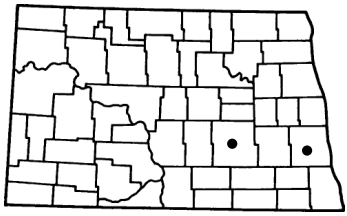
Sources: 15, 16, 18, 25, 26, 27, 29, 33, 34, 35, 39, 4, 43, 45, 5, 6, 7, *5*.

Photographed in VII.

72. Molluginaceae, Carpet-weed family

1 (1121). *Mollugo verticillata* L., green carpetweed

Mollugo berteriana



Distribution. CASS, STUTSMAN.

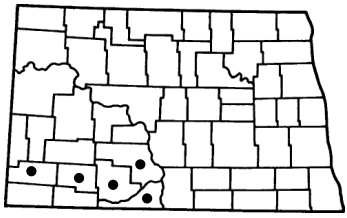
Sources: 11, 27, 29, 3, 39, 43, 45, 47, 5, *1*.

73. Montiaceae, Miner's lettuce family

† *Phemeranthus confertiflorus* (Greene) Hershkovitz, New Mexico fameflower

Sources: 29.

1 (1122). *Phemeranthus parviflorus* (Nutt.) Kiger, sunbright



Distribution. GRANT, HETTINGER, MORTON, SIOUX, SLOPE.

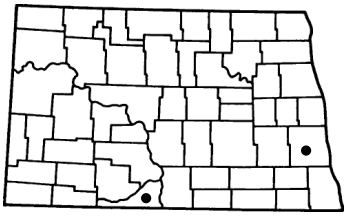
Sources: 29, 3, 39, 4, 43, 47, 5, *12*, *1*, *27*, *33*, *34*, *35*, *41*, *43*, *5*.

Photographed in VII.

74. Moraceae, Mulberry family

1 (1123). *Morus alba* L., white mulberry

Morus tatarica

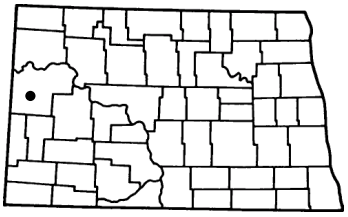


Distribution. CASS, SIOUX. Introduced.

Sources: 1, 29, 39, 40, 43, 48.

75. Nyctaginaceae, Four o'clock family

1 (1124). *Abronia fragrans* Nutt. ex Hook., snowball sand verbena

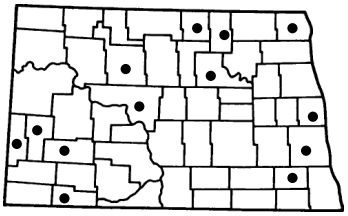


Distribution. MCKENZIE.

Sources: 1, 29, 39, 43, 47.

2 (1125). *Mirabilis albida* (Walter) Heimerl, white four o'clock

Allionia albida, Allionia bracteata, Allionia coahuilensis, Allionia grayana, Allionia pseudaggregata, Allionia rotata, Mirabilis coahuilensis, Mirabilis dumetorum, Mirabilis entricha, Mirabilis grayana, Mirabilis pseudaggregata, Mirabilis rotata, Oxybaphus albidus, Oxybaphus coahuilensis, Oxybaphus pseudaggregatus, Oxybaphus rotatus

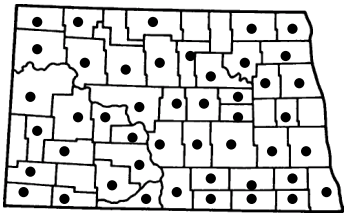


Distribution. ADAMS, BENSON, BILLINGS, CASS, GOLDEN VALLEY, MCLEAN, PEMBINA, RANSOM, ROLETTE, STARK, TOWNER, TRAILL, WARD.

Sources: 18, 29, 3, 39, 4, 45, 47, 5, *27*.

3 (1126). *Mirabilis hirsuta* (Pursh) MacMill., hairy four o'clock

Allionia hirsuta, Oxybaphus hirsutus



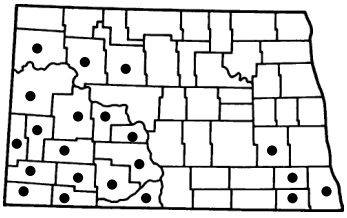
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 19, 2, 21, 24, 25, 26, 29, 30, 31, 32, 4, 41, 43, 5, 6, 7, 8, 9, *17*, *18*, *27*, *28*, *7*.

Photographed in VII–IX.

4 (1127). *Mirabilis linearis* (Pursh) Heimerl, narrowleaf four o'clock

Allionia decumbens, Allionia gausapoides, Allionia linearis, Calymenia decumbens, Mirabilis decumbens, Mirabilis gausapoides, Mirabilis lanceolata, Oxybaphus decumbens, Oxybaphus gausapoides, Oxybaphus lanceolatus, Oxybaphus linearis



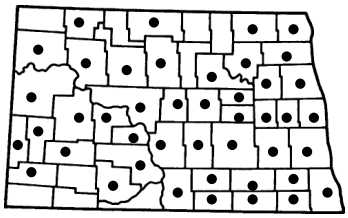
Distribution. ADAMS, BARNES, BILLINGS, BOWMAN, DUNN, GOLDEN VALLEY, GRANT, HETTINGER, MCKENZIE, MERCER, MORTON, MOUNTRAIL, OLIVER, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 12, 13, 18, 24, 26, 29, 3, 32, 39, 4, 41, 43, 45, 47, 5, *17*.

Photographed in VII–VIII.

5 (1128). *Mirabilis nyctaginea* (Michx.) MacMill., heartleaf four o'clock

Allionia nyctaginea, Mirabilis collina, Oxybaphus nyctagineus



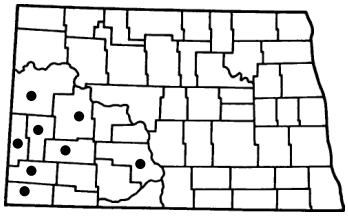
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 18, 19, 2, 21, 24, 25, 26, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *18*, *27*, *28*, *32*, *7*.

Photographed in VII.

6 (1129). *Tripterocalyx micranthus* (Torr.) Hook., smallflower sandverbena

Abronia cycloptera, Abronia micrantha, Tripterocalyx cyclopterus, Tripterocalyx pedunculatus

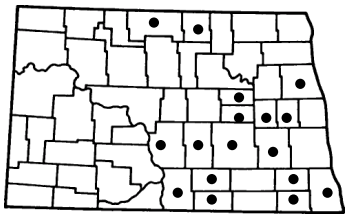


Distribution. BILLINGS, BOWMAN, DUNN, GOLDEN VALLEY, MCKENZIE, MORTON, SLOPE, STARK.

Sources: 1, 24, 29, 39, 41, 43, 47, 5, 7, *27*, *32*.

76. Nymphaeaceae, Water-lily family

1 (1130). *Nuphar variegata* Engelm. ex Durand, varigated yellow pond-lily



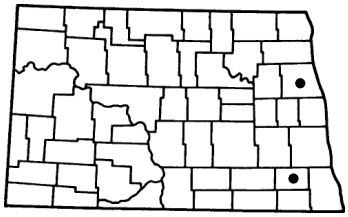
Distribution. BARNES, BOTTINEAU, BURLEIGH, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCINTOSH, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN.

Sources: 39, 4, 41, *11*, *15*, *16*, *18*, *19*, *1*, *25*, *26*, *27*, *28*, *29*, *31*, *3*, *43*, *45*, *47*, *5*, *6*, *7*.

77. Oleaceae, Olive family

1 (1131). *Fraxinus americana* L., white ash

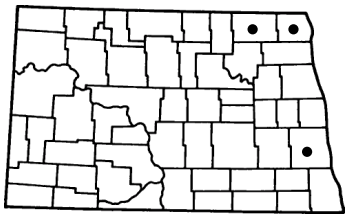
Fraxinus biltmoreana



Distribution. GRAND FORKS, RANSOM.

Sources: 45, *7*.

2 (1132). *Fraxinus nigra* Marsh., black ash

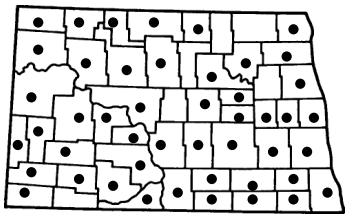


Distribution. CASS, CAVALIER, PEMBINA.

Sources: 27, 29, 30, 33, 34, 39, 41, 43, 5, 6, 7.

3 (1133). *Fraxinus pennsylvanica* Marsh., green ash

Fraxinus campestris, Fraxinus darlingtonii, Fraxinus lanceolata, Fraxinus smallii, Fraxinus michauxii, Fraxinus tomentosa

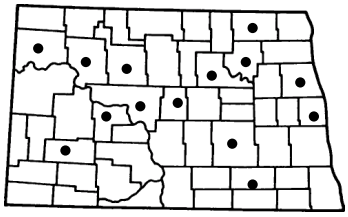


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 14, 17, 18, 19, 21, 24, 25, 26, 27, 29, 3, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *13*, *18*, *26*, *28*, *2*, *30*, *32*, *43*, *5*.

Photographed in VI–IX.

4 (1134). *Syringa vulgaris* L., common lilac



Distribution. BENSON, CAVALIER, GRAND FORKS, LAMOURE, MCLEAN, MERCER, MOUNTRAIL, RAMSEY, SHERIDAN, STARK, STUTSMAN, TRAILL, WARD, WILLIAMS. Introduced.

Sources: 13, 17, 21, 39, 4, 40, 42, 43, 45, 5, 6, 7, *18*, *44*.

Photographed in VI–X.

? *Syringa* ×*chinensis* Willd., Chinese lilac

Sources: 38, *38*, *7*.

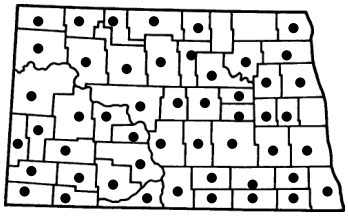
? *Syringa* ×*persica* L., Persian lilac

Sources: 38, *17*, *38*.

78. Onagraceae, Evening Primrose family

1 (1135). *Calylophus serrulatus* (Nutt.) P.H. Raven, yellow sundrops

Calylophus australis, Meriolix intermedia, Meriolix oblanceolata, Meriolix serrulata, Oenothera serrulata



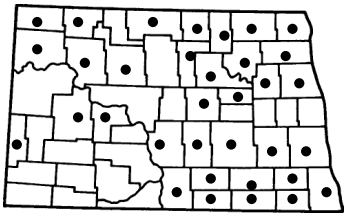
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 14, 19, 2, 21, 24, 26, 29, 31, 4, 42, 43, 44, 45, 5, 6, 7, 8, *13*, *17*, *25*, *27*, *28*, *30*, *32*, *39*, *41*, *43*, *45*, *5*, *7*, *9*.

Photographed in VI–VIII.

2 (1136). *Chamerion angustifolium* (L.) Holub, fireweed

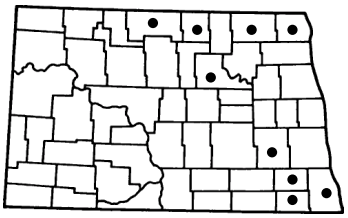
Epilobium angustifolium



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MERCER, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 29, 3, 4, 41, 42, 43, 45, 5, *11*, *13*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

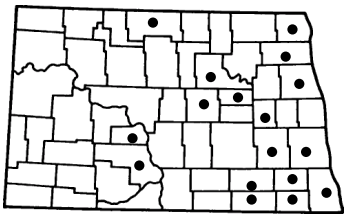
3 (1137). *Circaea alpina* L., small enchanter's nightshade ☐



Distribution. BARNES, BENSON, BOTTINEAU, CAVALIER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT.

Sources: 1, 11, 26, 27, 28, 29, 3, 30, 34, 35, 39, 41, 43, 45, 5.

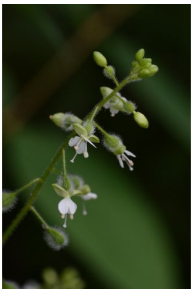
4 (1138). *Circaea lutetiana* L., broadleaf enchanter's nightshade ☐



Distribution. BARNES, BENSON, BOTTINEAU, CASS, DICKEY, EDDY, GRAND FORKS, GRIGGS, LAMOURE, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, WALSH, WELLS.

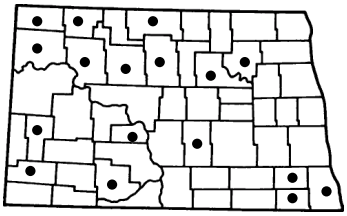
Sources: 1, 11, 14, 19, 2, 25, 26, 29, 3, 4, 41, 42, 43, 5, 6, 8, *27*, *28*, *30*, *39*, *45*, *5*, *7*.

Photographed in VII–VIII.



5 (1139). *Epilobium brachycarpum* C. Presl, tall annual willowherb ☐

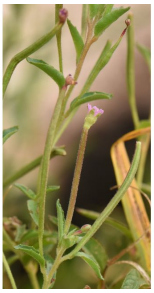
Epilobium paniculatum



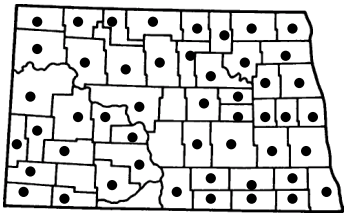
Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, DIVIDE, GRANT, KIDDER, MCHENRY, MOUNTRAIL, OLIVER, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, WARD, WILLIAMS.

Sources: 29, 3, 39, 4, 41, 43, 45, 5, *13*, *17*, *1*, *21*, *25*, *26*, *27*, *28*, *32*, *5*, *7*.

Photographed in IX.



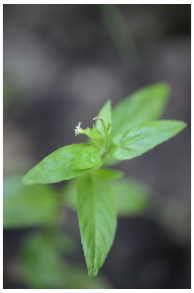
6 (1140). *Epilobium ciliatum* Raf., fringed willowherb

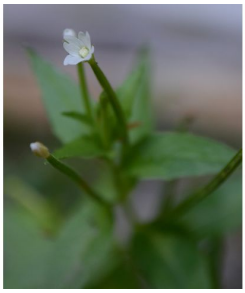


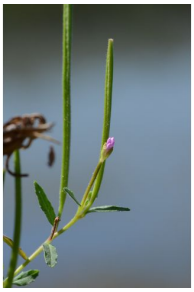
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 15, 16, 19, 2, 21, 24, 26, 29, 3, 39, 4, 41, 42, 43, 44, 45, 5, 8, *11*, *13*, *17*, *18*, *1*, *25*, *27*, *28*, *30*, *31*, *32*, *45*, *5*, *6*, *7*.

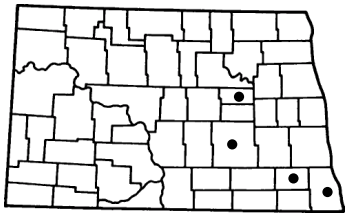
Photographed in VII–X.







7 (1141). *Epilobium coloratum* Biehler, purpleleaf willowherb ☐



Distribution. EDDY, RANSOM, RICHLAND, STUTSMAN.

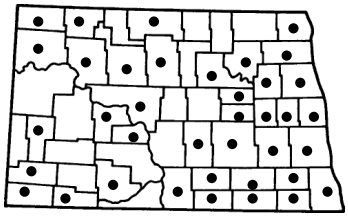
Sources: 15, 16, 29, 35, 39, 41, 43, 5.

? *Epilobium hornemannii* Rchb., Hornemann's willowherb ☐

Sources: *7*.

8 (1142). *Epilobium leptophyllum* Raf., bog willowherb ☐

Epilobium nesophilum, Epilobium treleaseanum



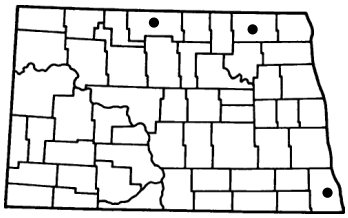
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 19, 2, 25, 26, 27, 28, 29, 30, 31, 39, 4, 41, 43, 45, 5, 6, 7, 8, *32*.

Photographed in VII–VIII.

9 (1143). *Epilobium palustre* L., marsh willowherb ☐

Epilobium lineare, Epilobium oliganthum, Epilobium pylaieanum, Epilobium wyomingense

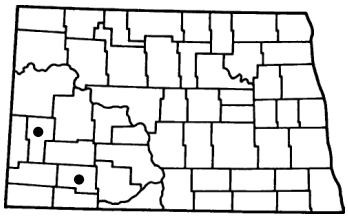


Distribution. BOTTINEAU, CAVALIER, RICHLAND.

Sources: 45, 5, 7, *7*.

10 (1144). *Epilobium pygmaeum* (Speg.) Hoch & P.H. Raven, smooth spike-primrose ☐

Boisduvalia glabella, Boisduvalia pygmaea, Oenothera glabella



Distribution. BILLINGS, HETTINGER.

Sources: 29, 34, 41, 43, 5, *16*, *27*, *32*, *35*, *39*, *5*.

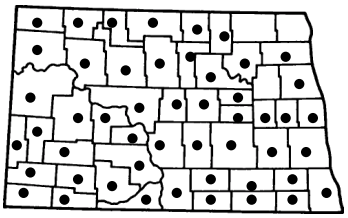
? *Epilobium strictum* Muhl. ex Spreng., downy willowherb ☐

Epilobium densum

Sources: 7, *7*.

11 (1145). *Gaura coccinea* Nutt. ex Pursh, scarlet beeblossom

Gaura glabra, Gaura odorata

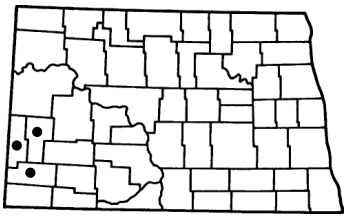


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 31, 32, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *18*, *39*, *3*, *43*, *45*.

Photographed in VI–X.

12 (1146). *Gaura parviflora* Douglas ex Lehm., velvetweed

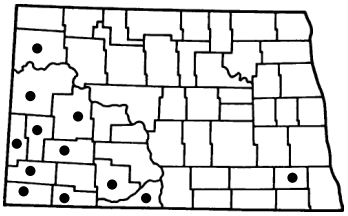


Distribution. BILLINGS, GOLDEN VALLEY, SLOPE.

Sources: 1, 18, 32, 41, *29*, *39*, *43*, *45*.

13 (1147). *Oenothera albicaulis* Pursh, whitest evening primrose

Anogra albicaulis, Oenothera ctenophylla

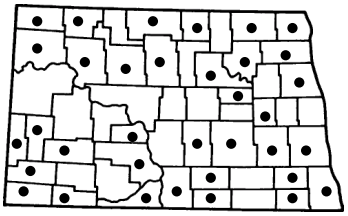


Distribution. ADAMS, BILLINGS, BOWMAN, DUNN, GOLDEN VALLEY, GRANT, MCKENZIE, RANSOM, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 13, 18, 24, 27, 29, 3, 32, 39, 4, 41, 43, 45, 5, 6, 7, *18*, *3*.

14 (1148). *Oenothera biennis* L., common evening primrose

Oenothera muricata, Oenothera pycnocarpa



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DIVIDE, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 10, 12, 13, 14, 21, 25, 26, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7.

Photographed in VII–X.

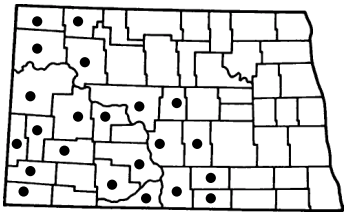
? *Oenothera brachycarpa* A. Gray, shortfruit evening primrose

Lavauxia brachycarpa, Megapterium brachycarpum

Sources: *3*.

15 (1149). *Oenothera caespitosa* Nutt., tufted evening primrose

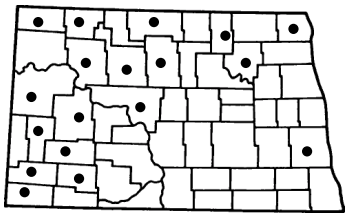
Oenothera cespitosa



Distribution. BILLINGS, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, SHERIDAN, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 12, 13, 18, 24, 27, 29, 31, 32, 39, 4, 43, 45, 5, 6, 7, *41*, *45*.

16 (1150). *Oenothera flava* (A. Nelson) Garrett, yellow evening primrose

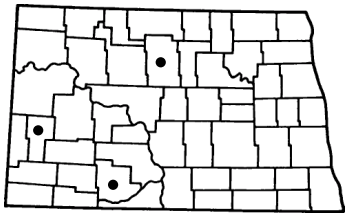


Distribution. BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, DIVIDE, DUNN, HETTINGER, MCHENRY, MCKENZIE, MCLEAN, MOUNTRAIL, PEMBINA, RAMSEY, SLOPE, STARK, TOWNER, WARD.

Sources: 1, 13, 18, 21, 24, 27, 28, 29, 30, 32, 39, 4, 41, 43, 45, 5.

17 (1151). *Oenothera laciniata* Hill, cutleaf evening primrose

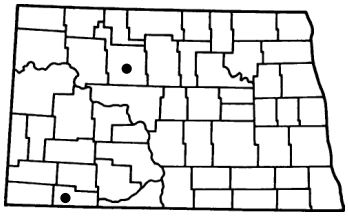
Raimannia laciniata



Distribution. BILLINGS, GRANT, MCHENRY.

Sources: 1, 27, 29, 3, 32, 33, 39, 41, 43, 5, 7, *35*.

18 (1152). *Oenothera latifolia* (Rydb.) Munz, mountain evening primrose

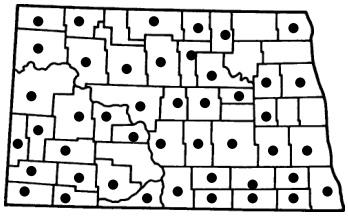


Distribution. ADAMS, WARD.

Sources: 4.

19 (1153). *Oenothera nuttallii* Sweet, Nuttall's evening primrose

Anogra nuttalliana



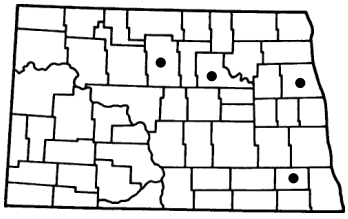
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 19, 2, 24, 25, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *26*, *5*.

Photographed in VII–X.

20 (1154). *Oenothera pallida* Lindl., pale evening primrose

Camissonia strigulosa, Oenothera cruciata, Oenothera cymatilis, Oenothera rubricapitata

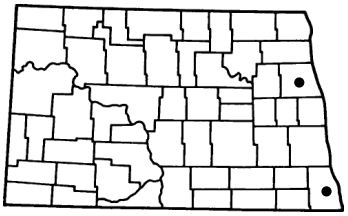


Distribution. BENSON, GRAND FORKS, MCHENRY, RANSOM.

Sources: 5, 7.

21 (1155). *Oenothera rhombipetala* Nutt. ex Torr. & A. Gray, fourpoint evening primrose

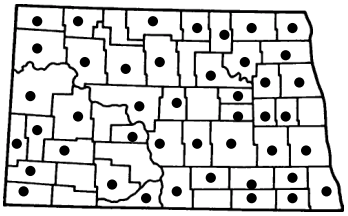
Raimannia rhombipetala



Distribution. GRAND FORKS, RICHLAND.

Sources: 27, 29, 3, 33, 35, 39, 43, 5, 7.

22 (1156). *Oenothera villosa* Thunb., hairy evening primrose



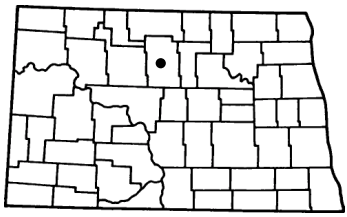
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCKENZIE, MCLEAN, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WILLIAMS.

Sources: 19, 2, 21, 24, 26, 29, 39, 4, 41, 42, 43, 45, 5, 8, *11*, *17*, *1*, *27*, *28*, *32*, *7*.

Photographed in VII–IX.

79. Ophioglossaceae, Adder's-tongue family

1 (1157). *Botrychium campestre* W.H. Wagner & Farrar, Iowa moonwort

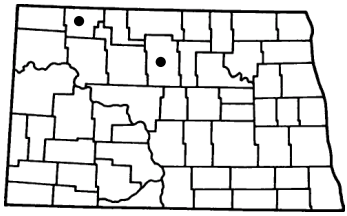


Distribution. MCHENRY.

Sources: 29, 34, 35, 39, 41, 43, 47.

2 (1158). *Botrychium lunaria* (L.) Sw., common moonwort

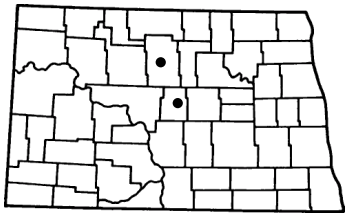
Botrychium onondagense



Distribution. BURKE, MCHENRY.

Sources: 13, 22, 23, 29, 33, 39, 41, 43.

3 (1159). *Botrychium matricariifolium* (A. Braun ex Dowell) A. Braun ex W.D.J. Koch, matricary grapefern

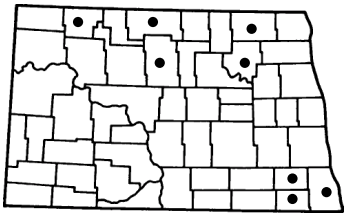


Distribution. MCHENRY, SHERIDAN.

Sources: 29, 34, 39, 4, 43.

Photographed in VI.

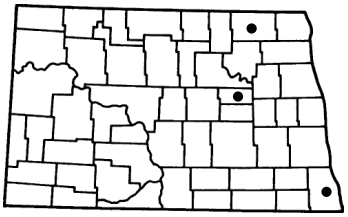
4 (1160). *Botrychium minganense* Victorin, Mingan moonwort



Distribution. BOTTINEAU, BURKE, CAVALIER, MCHENRY, RAMSEY, RANSOM, RICHLAND, SARGENT.

Sources: 21, 26, 29, 34, 35, 39, 41, 43, 47, 5.

5 (1161). *Botrychium multifidum* (S.G. Gmel.) Trevis., leathery grapefern

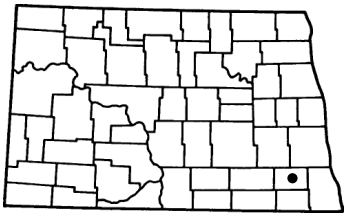


Distribution. CAVALIER, EDDY, RICHLAND.

Sources: 29, 34, 35, 41, 43, 47, 5, *39*.

6 (1162). *Botrychium simplex* E. Hitchc., little grapefern

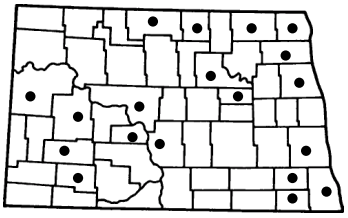
Botrychium tenebrosum



Distribution. RANSOM.

Sources: 29, 39, 43.

7 (1163). *Botrychium virginianum* (L.) Sw., rattlesnake fern

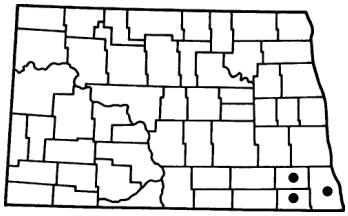


Distribution. BENSON, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DUNN, EDDY, GRAND FORKS, HETTINGER, MCKENZIE, MCLEAN, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, WALSH.

Sources: 1, 14, 18, 19, 22, 23, 24, 25, 26, 27, 28, 29, 4, 41, 42, 43, 45, 5, 6, 7, 8, *39*.

8 (1164). *Ophioglossum vulgatum* L., southern adderstongue

Ophioglossum pycnostichum



Distribution. RANSOM, RICHLAND, SARGENT.

Sources: 15, 16, 23, 26, 33, 5, 7, *22*, *29*, *34*, *39*, *41*, *43*, *47*, *5*, *7*.

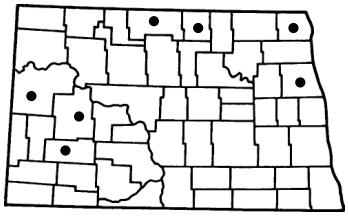
80. Orchidaceae, Orchid family

† *Amerorchis rotundifolia* (Banks ex Pursh) Hulten, roundleaf orchid

Sources: 18.

1 (1165). *Corallorhiza maculata* (Raf.) Raf., summer coralroot

Corallorrhiza maculata

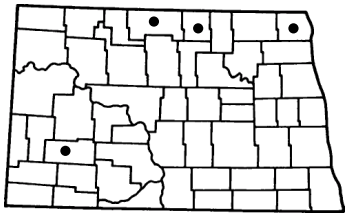


Distribution. BOTTINEAU, DUNN, GRAND FORKS, MCKENZIE, PEMBINA, ROLETTE, STARK.

Sources: 1, 14, 24, 29, 3, 30, 39, 4, 41, 42, 5, 6, 7, *27*, *28*.

2 (1166). *Corallorhiza striata* Lindl., hooded coralroot

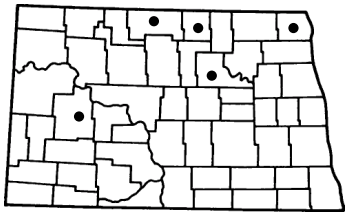
Corallorrhiza striata, Corallorhiza corallorhiza, Corallorrhiza corallorrhiza



Distribution. BOTTINEAU, PEMBINA, ROLETTE, STARK.

Sources: 1, 24, 29, 33, 34, 39, 41, 43, 47, 5, *27*.

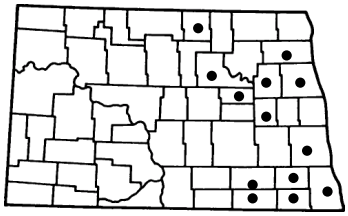
3 (1167). *Corallorhiza trifida* Chatelain, yellow coralroot



Distribution. BENSON, BOTTINEAU, DUNN, PEMBINA, ROLETTE.

Sources: 1, 18, 29, 33, 34, 39, 41, 42, 43, 47, 5, 6.

4 (1168). *Cypripedium candidum* Muhl. ex Willd., white lady's slipper

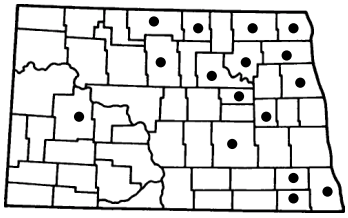


Distribution. BENSON, CASS, DICKEY, EDDY, GRAND FORKS, GRIGGS, LAMOURE, NELSON, RANSOM, RICHLAND, ROLETTE, SARGENT, WALSH.

Sources: 1, 15, 16, 19, 25, 26, 27, 29, 3, 34, 35, 39, 41, 43, 45, 47, 5, 6, 8, 9, *2*.

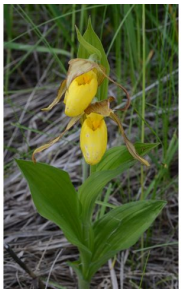
5 (1169). *Cypripedium parviflorum* Salisb., lesser yellow lady's slipper

Cypripedium calceolus

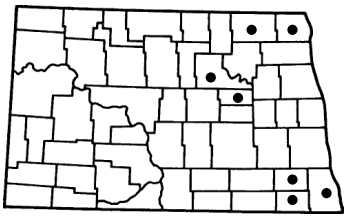


Distribution. BENSON, BOTTINEAU, CAVALIER, DUNN, EDDY, GRAND FORKS, GRIGGS, MCHENRY, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH.

Sources: 14, 27, 28, 29, 3, 34, 39, 4, 41, 42, 43, 45, 47, 5, 7, *10*, *15*, *16*, *18*, *1*, *21*, *25*, *26*, *35*, *43*, *44*, *5*, *6*, *7*, *8*.



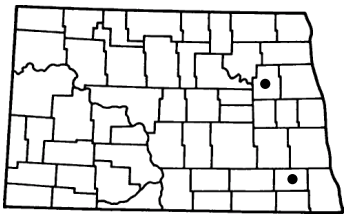
6 (1170). *Cypripedium reginae* Walter, showy lady's slipper



Distribution. BENSON, CAVALIER, EDDY, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 1, 15, 19, 25, 26, 27, 29, 30, 33, 34, 35, 39, 41, 43, 45, 47, 5, 7.

7 (1171). *Cypripedium* ×*andrewsii* A.M. Fuller, Andrews' lady's-slipper

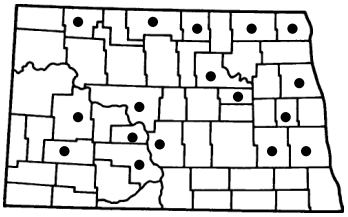


Distribution. NELSON, RANSOM.

Sources: 41, *29*, *39*, *43*, *6*.

8 (1172). *Dactylorhiza viridis* (L.) R.M. Bateman, A.M. Pridgeon & M.W. Chase, longbract frog orchid

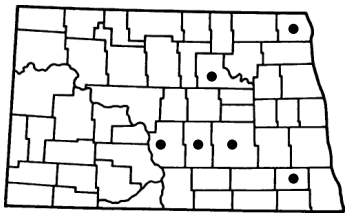
Coeloglossum bracteatum, Coeloglossum viride, Habenaria bracteata, Habenaria viridis



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DUNN, EDDY, GRAND FORKS, MCLEAN, MORTON, OLIVER, PEMBINA, ROLETTE, STARK, STEELE.

Sources: 14, 29, 4, 42, 47, *15*, *16*, *18*, *19*, *1*, *24*, *27*, *28*, *39*, *3*, *43*, *45*, *5*, *6*, *7*, *8*.

9 (1173). *Liparis loeselii* (L.) Rich., yellow widelip orchid

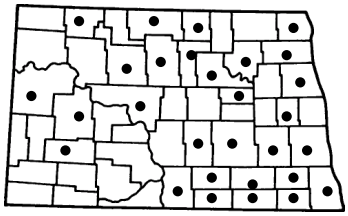


Distribution. BENSON, BURLEIGH, KIDDER, PEMBINA, RANSOM, STUTSMAN.

Sources: 1, 15, 16, 29, 3, 30, 31, 34, 35, 39, 41, 43, 5, *27*, *33*, *7*.

10 (1174). *Platanthera aquilonis* Sheviak, northern green orchid

Habenaria hyperborea, Platanthera hyperborea



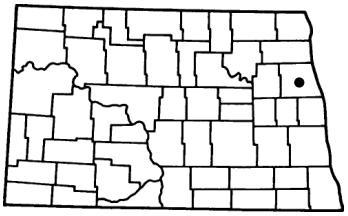
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STEELE, STUTSMAN, WALSH, WARD.

Sources: 14, 29, 39, 4, 42, 43, 45, *47*, 5, *10*, *11*, *13*, *15*, *16*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *2*, *30*, *31*, *3*, *41*, *43*, *45*, *5*, *6*, *7*, *8*.

Photographed in VII–VIII.

11 (1175). *Platanthera clavellata* (Michx.) Luer, small green wood orchid

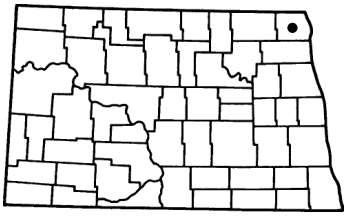
Gymnadeniopsis clavellata, Habenaria clavellata



Distribution. GRAND FORKS.

Sources: 29, 34, 39, 41, 43.

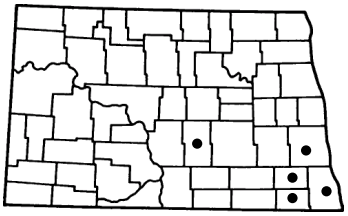
12 (1176). *Platanthera dilatata* (Pursh) Lindl. ex Beck, scentbottle ☐



Distribution. PEMBINA.

Sources: 43.

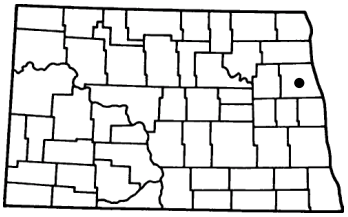
13 (1177). *Platanthera praeclara* Sheviak & Bowles, Great Plains white fringed orchid ☐



Distribution. CASS, KIDDER, RANSOM, RICHLAND, SARGENT.

Sources: 16, 29, 34, 39, 41, 43, 45, 47, *15*, *1*, *25*, *26*, *27*, *35*, *3*, *45*, *5*, *6*.

14 (1178). *Pogonia ophioglossoides* (L.) Ker Gawl., snakemouth orchid ☐

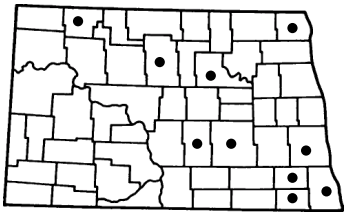


Distribution. GRAND FORKS.

Sources: 29, 39, 41, 43, 47.

15 (1179). *Spiranthes cernua* (L.) Rich., nodding lady's tresses ☐

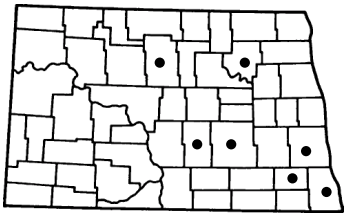
Ibidium cernuum



Distribution. BENSON, BURKE, CASS, KIDDER, MCHENRY, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 11, 25, 26, 27, 31, 34, 35, 39, 43, 5, 6.

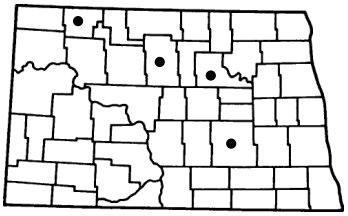
16 (1180). ***Spiranthes magnicamporum*** **Sheviak, Great Plains lady's tresses** ☐



Distribution. CASS, KIDDER, MCHENRY, RAMSEY, RANSOM, RICHLAND, STUTSMAN.

Sources: 15, 16, 21, 29, 34, 39, 41, 47, 5.

17 (1181). ***Spiranthes romanzoffiana*** **Cham., hooded lady's tresses** ☐



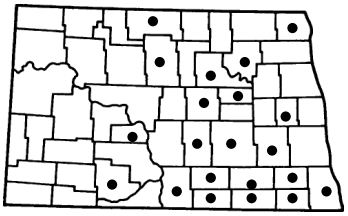
Distribution. BENSON, BURKE, MCHENRY, STUTSMAN.

Sources: 1, 15, 16, 20, 29, 3, 33, 34, 35, 39, 4, 41, 43, 45, 47, 5, *13*, *18*.

81. Orobanchaceae, Broom-rape family

1 (1182). ***Agalinis aspera*** **(Douglas ex Benth.) Britton, tall false foxglove** ☐

Gerardia aspera

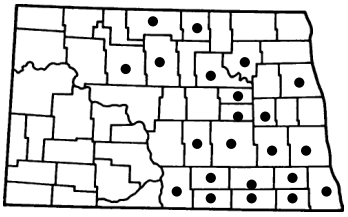


Distribution. BARNES, BENSON, BOTTINEAU, DICKEY, EDDY, EMMONS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, WELLS.

Sources: 1, 11, 18, 19, 2, 21, 25, 26, 29, 31, 39, 4, 41, 42, 43, 5, 6, 7, 8, *27*, *28*, *3*, *45*.

Photographed in VII.

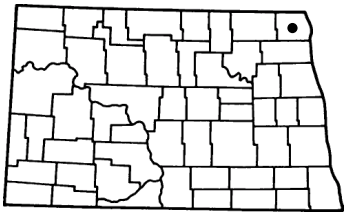
2 (1183). *Agalinis tenuifolia* (Vahl) Raf., slenderleaf false foxglove



Distribution. BARNES, BENSON, BOTTINEAU, CASS, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WARD.

Sources: 1, 11, 15, 16, 19, 2, 26, 29, 31, 39, 4, 41, 43, 45, 5, 6, 7, 8, *18*, *25*, *27*, *28*, *3*, *43*.

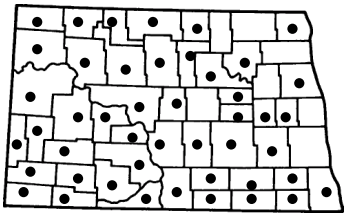
3 (1184). *Castilleja miniata* Douglas ex Hook., giant red Indian paintbrush



Distribution. PEMBINA.

Sources: 27, 29, 39, 41.

4 (1185). *Castilleja sessiliflora* Pursh, downy paintedcup

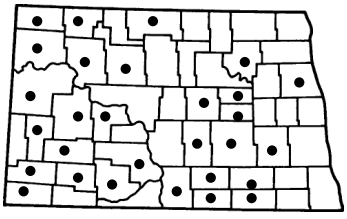


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 12, 13, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *11*, *17*, *7*.

Photographed in V–VI.

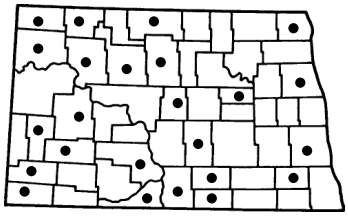
5 (1186). *Orobanche fasciculata* Nutt., clustered broomrape



Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, RAMSEY, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 14, 17, 19, 21, 24, 27, 28, 29, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, *13*, *18*, *2*, *3*.

6 (1187). *Orobanche ludoviciana* Nutt., Louisiana broomrape

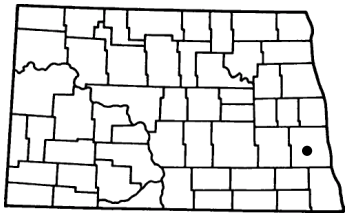


Distribution. BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MORTON, MOUNTRAIL, PEMBINA, RANSOM, SHERIDAN, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 12, 13, 17, 19, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 5, 8.

Photographed in X.

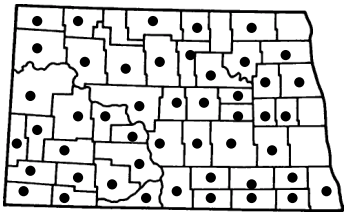
7 (1188). *Orobanche uniflora* L., oneflowered broomrape



Distribution. CASS.

Sources: 1, 27, 29, 34, 39, 41, 43, 5, *3*, *5*.

8 (1189). *Orthocarpus luteus* Nutt., yellow owl's-clover

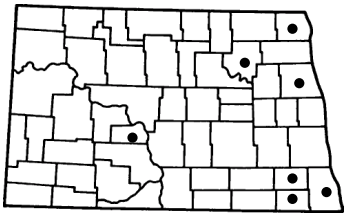


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 17, 18, 19, 2, 21, 24, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, *12*, *7*, *9*.

Photographed in VII–VIII.

9 (1190). *Pedicularis canadensis* L., Canadian lousewort



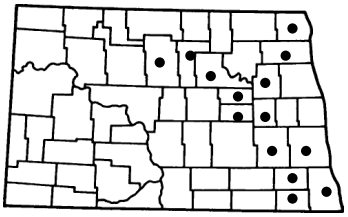
Distribution. GRAND FORKS, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT.

Sources: 1, 14, 15, 16, 25, 26, 27, 29, 39, 41, 43, 5, 6, 7.

Photographed in V–VI.

10 (1191). *Pedicularis lanceolata* Michx., swamp lousewort

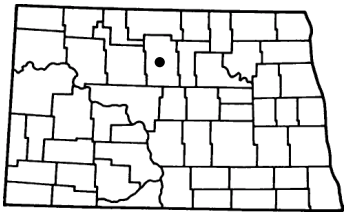
Pedicularis auriculata, Pedicularis pallida, Pedicularis virginica



Distribution. BARNES, BENSON, CASS, EDDY, FOSTER, GRIGGS, MCHENRY, NELSON, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, WALSH.

Sources: 1, 11, 15, 16, 18, 19, 25, 26, 27, 29, 3, 30, 39, 41, 43, 45, 5, 6, 8, 9, 7.

11 (1192). *Rhinanthus minor* L., little yellow rattle



Distribution. MCHENRY.

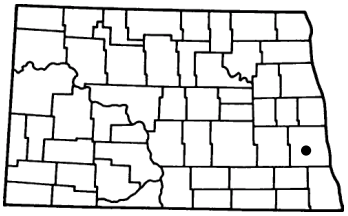
Sources: 29, 39, 4.

Photographed in IX.

82. Oxalidaceae, Wood-Sorrel family

1 (1193). *Oxalis corniculata* L., creeping woodsorrel

Acetosella corniculata, Oxalis langloisii, Oxalis pusilla, Oxalis repens, Oxalis villosa, Xanthoxalis corniculata, Xanthoxalis langloisii, Xanthoxalis repens

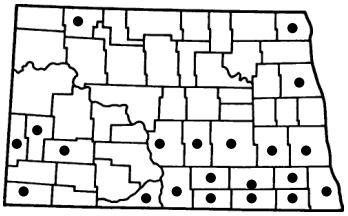


Distribution. CASS.

Sources: 29, 39, 45, 7.

2 (1194). *Oxalis dillenii* Jacq., slender yellow woodsorrel

Oxalis brittoniae, Oxalis prostrata, Oxalis rupestris, Oxalis stricta, Xanthoxalis brittoniae, Xanthoxalis dillenii

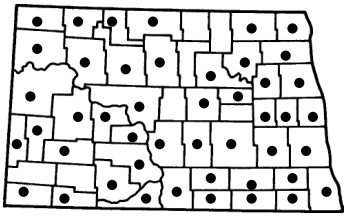


Distribution. BARNES, BILLINGS, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, STARK, STUTSMAN.

Sources: 1, 11, 2, 24, 25, 26, 29, 31, 39, 41, 45, 47, *32*, *7*.

3 (1195). *Oxalis stricta* L., common yellow oxalis

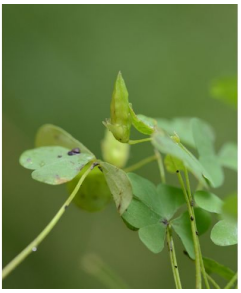
Ceratoxalis coloradensis, Ceratoxalis cymosa, Oxalis bushii, Oxalis coloradensis, Oxalis cymosa, Oxalis europaea, Oxalis interior, Xanthoxalis bushii, Xanthoxalis coloradensis, Xanthoxalis cymosa, Xanthoxalis interior, Xanthoxalis stricta, Oxalis macrantha, Oxalis pumila, Xanthoxalis macrantha

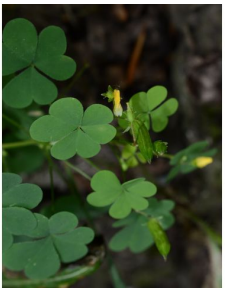


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 6, 7, 9, *17*, *18*, *24*, *27*, *28*, *32*, *7*, *8*.

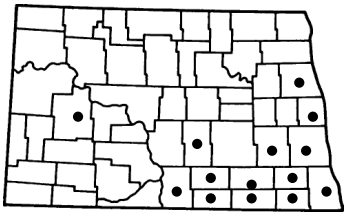
Photographed in V–X.





4 (1196). *Oxalis violacea* L., violet woodsorrel

Ionoxalis violacea, Sassia violacea



Distribution. BARNES, CASS, DICKEY, DUNN, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, RANSOM, RICHLAND, SARGENT, TRAILL.

Sources: 1, 11, 18, 2, 26, 27, 29, 3, 31, 39, 41, 42, 43, 45, 47, 6, 7, *25*, *7*.

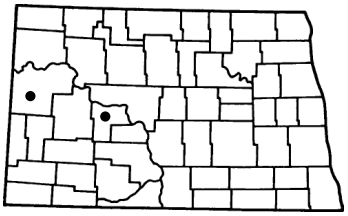
83. Papaveraceae, Poppy family

* *Argemone albiflora* Hornem., bluestem pricklypoppy

Sources: 38, *5*, *27*.

1 (1197). *Argemone polyanthemos* (Fedde) G.B. Ownbey, crested pricklypoppy

Argemone intermedia, Argemone platyceras

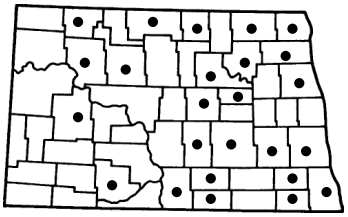


Distribution. MCKENZIE, MERCER.

Sources: 1, 24, 29, 39, 41, 43, 47, 5.

2 (1198). *Corydalis aurea* Willd., scrambled eggs

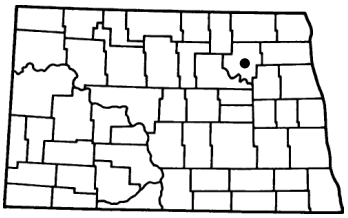
Capnoides aureum, Corydalis washingtoniana



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH, WARD, WELLS.

Sources: 1, 11, 13, 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 30, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, 3.

3 (1199). *Corydalis sempervirens* (L.) Pers., rock harlequin

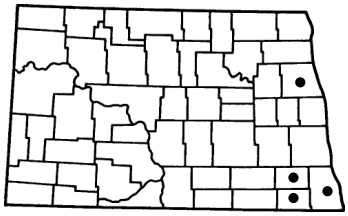


Distribution. RAMSEY.

Sources: *45*.

4 (1200). *Dicentra cucullaria* (L.) Bernh., dutchman's breeches

Bicuculla cucullaria, Dicentra occidentalis



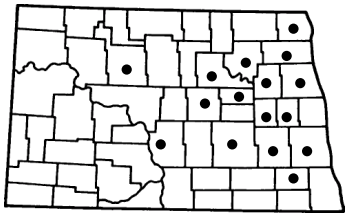
Distribution. GRAND FORKS, RANSOM, RICHLAND, SARGENT.

Sources: 1, 25, 26, 27, 29, 3, 33, 34, 35, 39, 41, 43, 47, 5, 7.

? *Dicentra formosa* (Haw.) Walp., Pacific bleeding heart

Sources: 18.

5 (1201). *Fumaria vaillantii* Loisel., earthsmoke



Distribution. BARNES, BENSON, BURLEIGH, CASS, EDDY, GRAND FORKS, GRIGGS, NELSON, PEMBINA, RAMSEY, RANSOM, STEELE, STUTSMAN, WALSH, WARD, WELLS. Introduced.

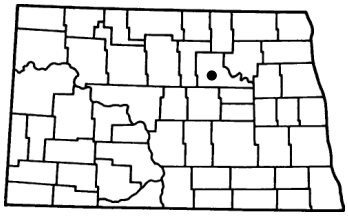
Sources: 29, 39, 43, *11*, *17*, *19*, *1*, *21*, *25*, *26*, *27*, *30*, *45*, *5*, *6*, *7*, *8*.

? *Lamprocapnos spectabilis* (L.) Fukuhara, bleeding heart

Dicentra spectabilis

Sources: 38, *7*.

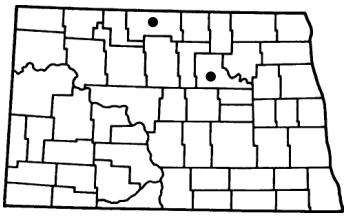
6 (1202). *Papaver rhoeas* L., corn poppy



Distribution. BENSON. Introduced.

Sources: 27, 29, 39.

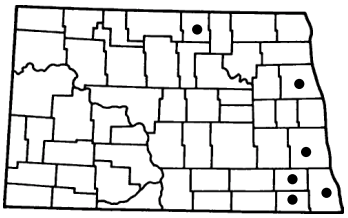
7 (1203). *Papaver somniferum* L., opium poppy



Distribution. BENSON, BOTTINEAU. Introduced.

Sources: 29, 39, 45, 47, 7.

8 (1204). *Sanguinaria canadensis* L., bloodroot



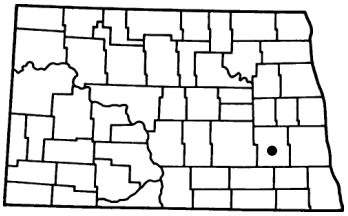
Distribution. CASS, GRAND FORKS, RANSOM, RICHLAND, ROLETTE, SARGENT.

Sources: 1, 14, 25, 26, 27, 29, 3, 39, 4, 41, 42, 43, 45, 47, 6, 7, 7.

84. Pedaliaceae, Sesame family

1 (1205). *Proboscidea louisianica* (Mill.) Thell., ram's horn

Proboscidea louisiana

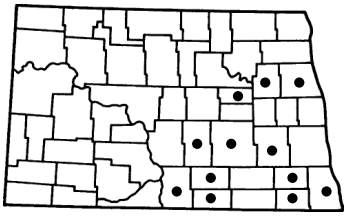


Distribution. BARNES.

Sources: *5*.

85. Phrymaceae, Lopseed family

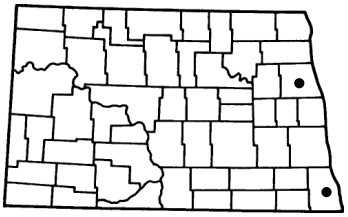
1 (1206). *Mimulus glabratus* Kunth, roundleaf monkeyflower



Distribution. BARNES, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, NELSON, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 11, 14, 15, 16, 18, 19, 25, 26, 29, 3, 31, 39, 41, 43, 45, 6, 7, 8, *27*, 7.

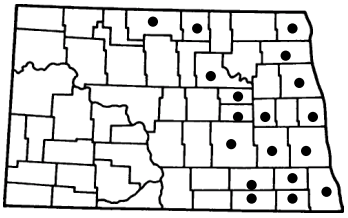
2 (1207). *Mimulus guttatus* DC., seep monkeyflower



Distribution. GRAND FORKS, RICHLAND.

Sources: 1, 14, 15, 16, 26, 29, 33, 34, 35, 39, 41, 43, 5, 7.

3 (1208). *Mimulus ringens* L., Allegheny monkeyflower

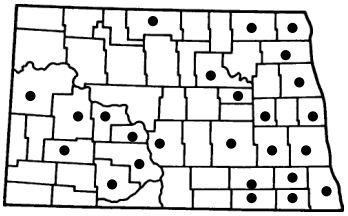


Distribution. BARNES, BENSON, BOTTINEAU, CASS, DICKEY, EDDY, FOSTER, GRAND FORKS, GRIGGS, LAMOURE, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, TRAILL, WALSH.

Sources: 1, 11, 14, 15, 16, 18, 19, 2, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8.

Photographed in VII–VIII.

4 (1209). *Phryma leptostachya* L., American lopseed



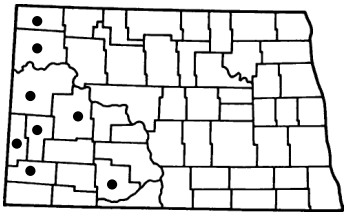
Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, GRAND FORKS, GRANT, GRIGGS, LAMOURE, MCKENZIE, MERCER, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, STARK, STUTSMAN, TRAILL, WALSH.

Sources: 1, 11, 14, 2, 24, 25, 26, 27, 29, 3, 30, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, *19*, *28*.

Photographed in VII–X.

86. Phytolaccaceae, Pokeweed family

1 (1210). *Sarcobatus vermiculatus* (Hook.) Torr., greasewood



Distribution. BILLINGS, DIVIDE, DUNN, GOLDEN VALLEY, GRANT, MCKENZIE, SLOPE, WILLIAMS.

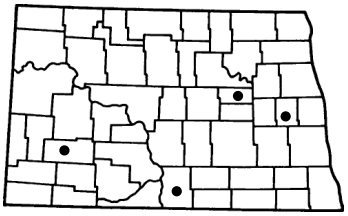
Sources: 1, 13, 24, 27, 29, 3, 32, 39, 4, 41, 43, 47, 5, 6, 7.

Photographed in VIII.

87. Pinaceae, Pine family

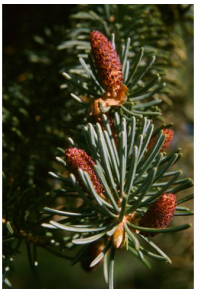
1 (1211). *Picea glauca* (Moench) Voss, white spruce

Picea canadensis



Distribution. EDDY, EMMONS, STARK, STEELE.

Sources: 19, 4, 42, 45.

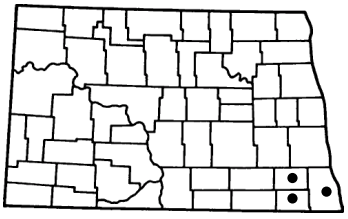


* *Picea pungens* Engelm., blue spruce

Sources: 38, 4, 42.

Photographed in VII.

2 (1212). *Pinus banksiana* Lamb., jack pine



Distribution. RANSOM, RICHLAND, SARGENT.

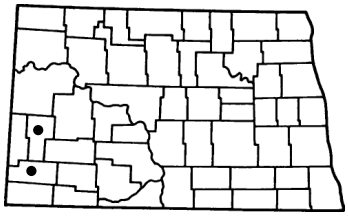
Sources: 25, 26, 29, 39.

? *Pinus contorta* Douglas ex Loudon, lodgepole pine

Sources: 20, 38, 4.

Photographed in VII.

3 (1213). *Pinus flexilis* James, limber pine



Distribution. BILLINGS, SLOPE.

Sources: 29, 32, 33, 34, 39, 4, 41, 43, 47, 5, 6, 7, *1*, *5*.

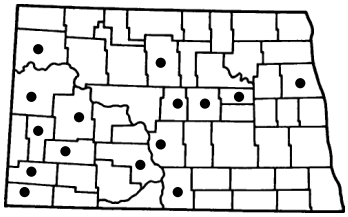
Photographed in VII.

? *Pinus mugo* Turra, mugo pine

Pinus montana

Sources: 38, 5.

4 (1214). *Pinus ponderosa* Lawson & C. Lawson, ponderosa pine

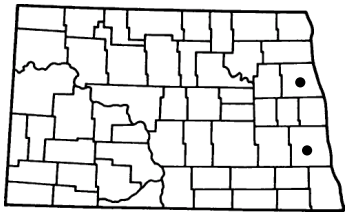


Distribution. BILLINGS, BOWMAN, BURLEIGH, DUNN, EDDY, EMMONS, GRAND FORKS, MCHENRY, MCKENZIE, MORTON, SHERIDAN, SLOPE, STARK, WELLS, WILLIAMS.

Sources: 1, 18, 27, 29, 3, 32, 33, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *19*, *5*.

Photographed in VI–X.

5 (1215). *Pinus sylvestris* L., Scots pine



Distribution. CASS, GRAND FORKS. Introduced.

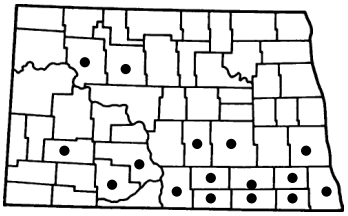
Sources: 5, 7.

88. Plantaginaceae, Plantain family

? *Antirrhinum majus* L., garden snapdragon

Sources: 38, 4, 5, 7.

1 (1216). *Bacopa rotundifolia* (Michx.) Wettst., disk waterhyssop

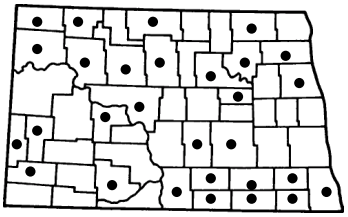


Distribution. CASS, DICKEY, EMMONS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, MOUNTRAIL, RANSOM, RICHLAND, SARGENT, STARK, STUTSMAN, WARD.

Sources: 1, 11, 15, 16, 2, 24, 25, 26, 29, 3, 31, 39, 4, 41, 43, 45, 5, 6, *13*, *17*, *27*.

2 (1217). *Callitriche hermaphroditica* L., northern water-starwort

Callitriche autumnalis



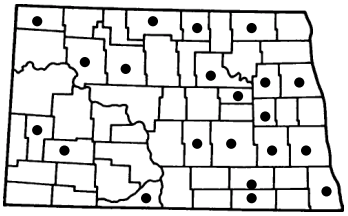
Distribution. BENSON, BILLINGS, BOTTINEAU, BURKE, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MOUNTRAIL, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 19, 2, 25, 26, 27, 28, 29, 31, 32, 39, 4, 41, 43, 44, 6, 7, 8.

Photographed in VII.

3 (1218). *Callitriche palustris* L., vernal water-starwort

Callitriche verna

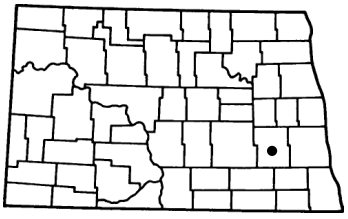


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, MOUNTRAIL, NELSON, RICHLAND, ROLETTE, SIOUX, STARK, STUTSMAN, WARD.

Sources: 17, 27, 28, 29, 3, 39, 4, 41, 43, 45, 7, *11*, *15*, *16*, *1*, *24*, *2*, *31*, *43*, *6*, *8*.

Photographed in VII–VIII.

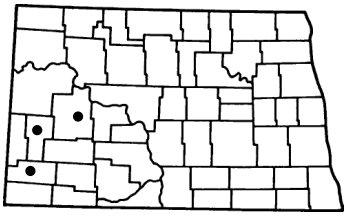
4 (1219). *Chaenorhinum minus* (L.) Lange, dwarf snapdragon



Distribution. BARNES. Introduced.

Sources: 29, 39, 43, 5, *11*, *1*, *41*.

5 (1220). *Collinsia parviflora* Lindl., maiden blue eyed Mary

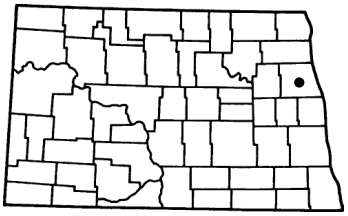


Distribution. BILLINGS, DUNN, SLOPE.

Sources: 1, 24, 27, 29, 32, 34, 35, 39, 41, 43, 5, 7, *33*, *5*.

6 (1221). *Gratiola aurea* Pursh, golden hedgehyssop

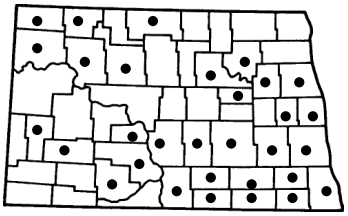
Gratiola lutea



Distribution. GRAND FORKS.

Sources: 29, 39, 41.

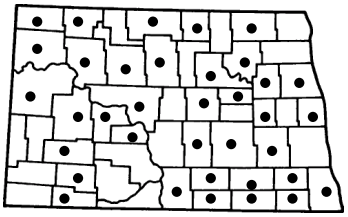
7 (1222). *Gratiola neglecta* Torr., clammy hedgehyssop



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, MOUNTRAIL, NELSON, OLIVER, RAMSEY, RANSOM, RICHLAND, SARGENT, STARK, STEELE, STUTSMAN, TRAILL, WARD, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 2, 21, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7, *18*, *3*, *7*, *9*.

8 (1223). *Hippuris vulgaris* L., common mare's-tail

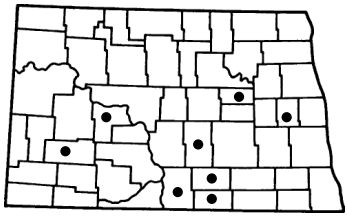


Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, 9, *43*.

Photographed in VII–VIII.

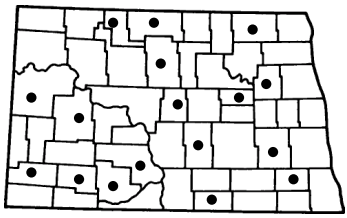
9 (1224). *Linaria dalmatica* (L.) Mill., Dalmatian toadflax



Distribution. EDDY, EMMONS, KIDDER, LOGAN, MCINTOSH, MERCER, STARK, STEELE. Introduced.

Sources: 1, 19, 24, 29, 31, 39, 40, 41, 43.

10 (1225). *Linaria genistifolia* (L.) Mill., broomleaf toadflax

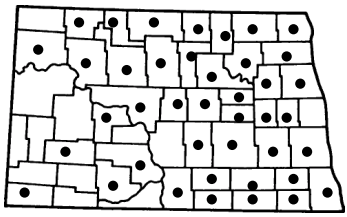


Distribution. BARNES, BOTTINEAU, CAVALIER, DUNN, EDDY, GRANT, HETTINGER, KIDDER, MCHENRY, MCINTOSH, MCKENZIE, MORTON, NELSON, RANSOM, RENVILLE, SHERIDAN, SLOPE. Introduced.

Sources: 36, 37, 40.

11 (1226). *Linaria vulgaris* Mill., butter and eggs

Linaria linaria



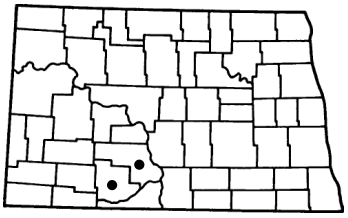
Distribution. BARNES, BENSON, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 36, 39, 4, 40, 42, 43, 44, 45, 5, 6, 7, 8.

Photographed in VII–X.

12 (1227). *Nuttallanthus texanus* (Scheele) D.A. Sutton, Texas toadflax

Linaria texana



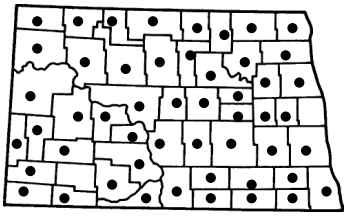
Distribution. GRANT, MORTON.

Sources: 29, 39, 41, 43, *1*, *29*, *5*.

? *Penstemon acuminatus* Douglas ex Lindl., sharpleaf penstemon

Sources: 18.

13 (1228). *Penstemon albidus* Nutt., white penstemon

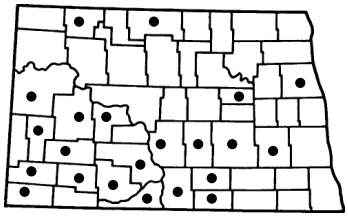


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, *25*, *44*, *7*.

Photographed in VI.

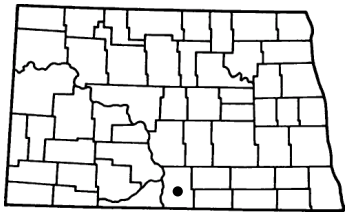
14 (1229). *Penstemon angustifolius* Nutt. ex Pursh, broadbeard beardtongue



Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, HETTINGER, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, SIOUX, SLOPE, STARK, STUTSMAN.

Sources: 1, 11, 13, 18, 24, 27, 29, 3, 31, 32, 39, 41, 43, 44, 45, 5, 6, 7.

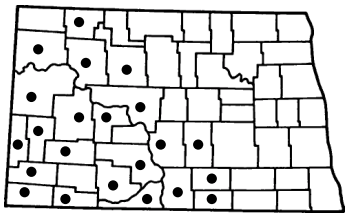
15 (1230). *Penstemon digitalis* Nutt. ex Sims, foxglove beardtongue



Distribution. EMMONS.

Sources: 7.

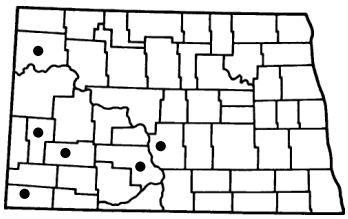
16 (1231). *Penstemon eriantherus* Pursh, fuzzytongue penstemon



Distribution. ADAMS, BILLINGS, BOWMAN, BURKE, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 24, 27, 29, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, *13*.

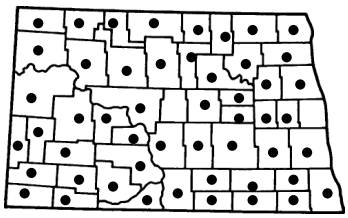
17 (1232). *Penstemon glaber* Pursh, sawsepal penstemon



Distribution. BILLINGS, BOWMAN, BURLEIGH, MORTON, STARK, WILLIAMS.

Sources: 1, 18, 24, 27, 29, 39, 4, 41, 43, 45, 5.

18 (1233). *Penstemon gracilis* Nutt., lilac penstemon

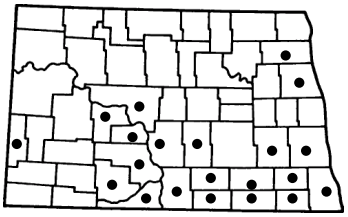


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9.

Photographed in VI–VII.

19 (1234). *Penstemon grandiflorus* Nutt., large beardtongue



Distribution. BARNES, BURLEIGH, CASS, DICKEY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MERCER, MORTON, OLIVER, RANSOM, RICHLAND, SARGENT, SIOUX, WALSH.

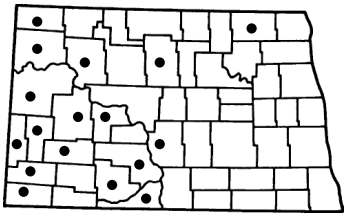
Sources: 1, 11, 18, 2, 25, 26, 27, 29, 3, 31, 39, 4, 41, 43, 45, 5, 6, 7.

Photographed in VI.

? *Penstemon hirsutus* (L.) Willd., hairy beardtongue

Sources: 17.

20 (1235). *Penstemon nitidus* Douglas ex Benth., waxleaf penstemon

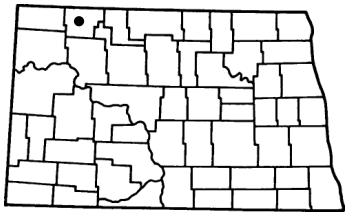


Distribution. BILLINGS, BOWMAN, BURLEIGH, CAVALIER, DIVIDE, DUNN, GOLDEN VALLEY, GRANT, MCHENRY, MCKENZIE, MERCER, MORTON, MOUNTRAIL, SIOUX, SLOPE, STARK, WILLIAMS.

Sources: 1, 13, 24, 27, 29, 32, 39, 4, 41, 43, 45, 5, 6, 7.

Photographed in VI.

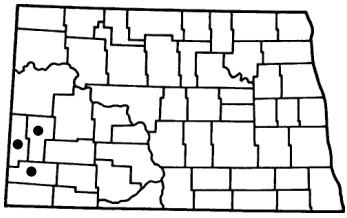
21 (1236). *Penstemon procerus* Douglas ex Graham, littleflower penstemon



Distribution. BURKE.

Sources: 13, 29, 33, 34, 35, 39, 4, 41, 43, 5.

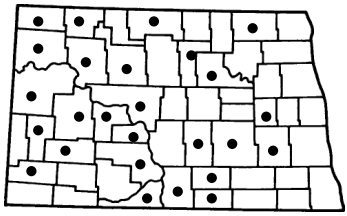
22 (1237). *Plantago aristata* Michx., largebracted plantain



Distribution. BILLINGS, GOLDEN VALLEY, SLOPE.

Sources: 18, 29, 3, 32, 5.

23 (1238). *Plantago elongata* Pursh, prairie plantain



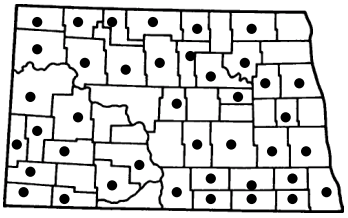
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CAVALIER, DIVIDE, DUNN, EMMONS, GRIGGS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 5, 7.

Photographed in V–VII.

24 (1239). *Plantago eriopoda* Torr., redwool plantain

Plantago shastensis



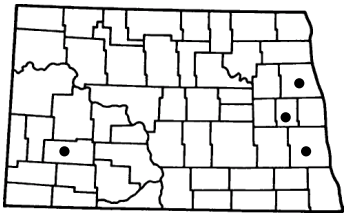
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MORTON, MOUNTRAIL, NELSON, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7, 8, 9, 7.

Photographed in V–VIII.

25 (1240). *Plantago lanceolata* L., narrowleaf plantain

Plantago altissima

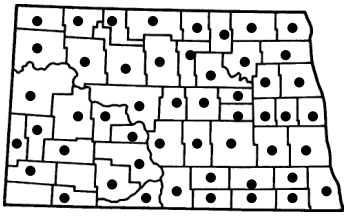


Distribution. CASS, GRAND FORKS, STARK, STEELE. Introduced.

Sources: 1, 10, 24, 27, 29, 3, 39, 40, 43, 5.

26 (1241). *Plantago major* L., common plantain

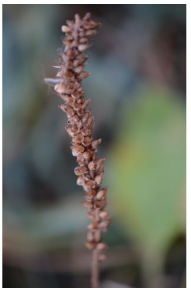
Plantago asiatica, Plantago halophila



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

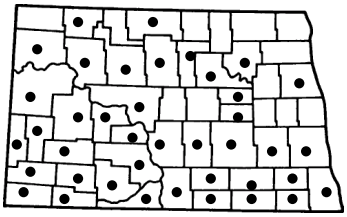
Sources: 1, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 31, 32, 39, 4, 42, 43, 44, 45, 5, 6, 7, 8, 9, *18*, *30*, *45*, *7*.

Photographed in VII–X.



27 (1242). *Plantago patagonica* Jacq., woolly plantain

Plantago picta, Plantago purshii, Plantago spinulosa, Plantago wyomingensis

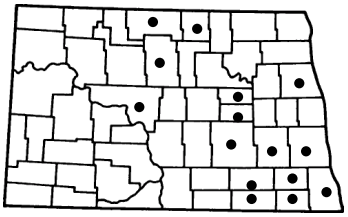


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 12, 13, 18, 19, 2, 21, 24, 25, 26, 29, 3, 31, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, *17*, *27*, *28*, *32*, *43*, *45*, *5*, *7*.

Photographed in VI–X.

28 (1243). *Plantago rugelii* Decne., blackseed plantain

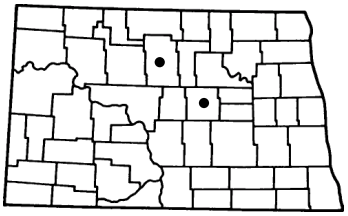


Distribution. BARNES, BOTTINEAU, CASS, DICKEY, EDDY, FOSTER, GRAND FORKS, LAMOURE, MCHENRY, MCLEAN, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN.

Sources: 1, 11, 2, 25, 26, 27, 29, 3, 39, 4, 41, 43, 44, 45, 5, 7, 8, *19*.

Photographed in VIII.

29 (1244). *Pseudolysimachion longifolium* (L.) Opiz, longleaf speedwell

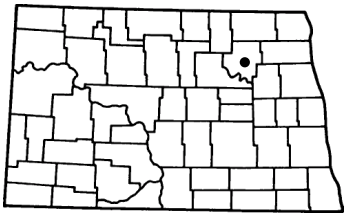


Distribution. MCHENRY, WELLS. Introduced.

Sources: 29, *27*, *39*, *41*, *5*.

30 (1245). *Veronica agrestis* L., green field speedwell

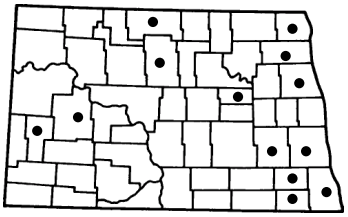
Pocilla agrestis



Distribution. RAMSEY. Introduced.

Sources: *21*.

31 (1246). *Veronica americana* Schwein. ex Benth., American speedwell

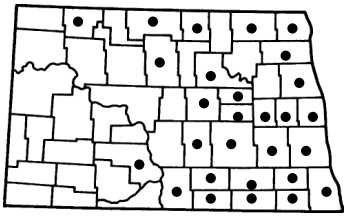


Distribution. BARNES, BILLINGS, BOTTINEAU, CASS, DUNN, EDDY, GRAND FORKS, MCHENRY, PEMBINA, RANSOM, RICHLAND, SARGENT, WALSH.

Sources: 1, 11, 14, 15, 16, 18, 19, 24, 25, 26, 27, 28, 29, 3, 30, 39, 41, 43, 45, 5, 6, 7, 8.

32 (1247). *Veronica anagallis-aquatica* L., water speedwell

Veronica anagallis, Veronica catenata, Veronica comosa, Veronica connata, Veronica lackschewitzii, Veronica micromeria, Veronica salina

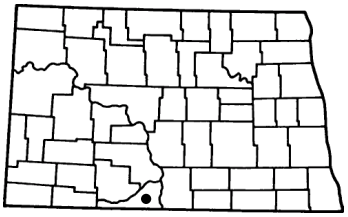


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MORTON, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TRAILL, WALSH, WELLS.

Sources: 1, 11, 15, 19, 25, 26, 29, 3, 31, 39, 4, 43, 45, 5, 7, 8, *13*, *15*, *16*, *1*, *27*, *28*, *2*, *41*, *45*, *6*, *7*.

Photographed in VII–X.

33 (1248). *Veronica arvensis* L., corn speedwell



Distribution. SIOUX. Introduced.

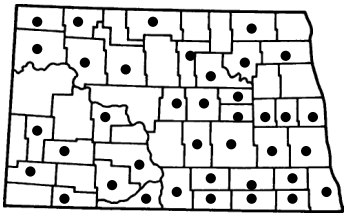
Sources: 4.

Photographed in V.

† *Veronica officinalis* L., common gypsyweed

Sources: 29, 39.

34 (1249). *Veronica peregrina* L., neckweed

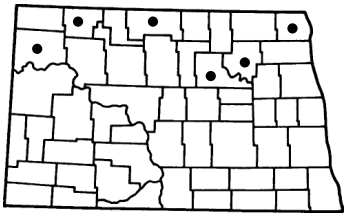


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MERCER, MORTON, MOUNTRAIL, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 15, 16, 17, 18, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7, 8, *13*, *19*.

Photographed in VI.

35 (1250). *Veronica scutellata* L., skullcap speedwell



Distribution. BENSON, BOTTINEAU, BURKE, PEMBINA, RAMSEY, WILLIAMS.

Sources: 1, 13, 15, 18, 21, 27, 28, 29, 39, 41, 43, 45, 5, 7.

? *Veronica serpyllifolia* L., thymeleaf speedwell

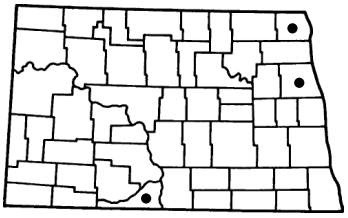
Sources: 29.

? *Veronica spicata* L., spiked speedwell

Sources: 38, 5.

36 (1251). *Veronicastrum virginicum* (L.) Farw., Culver's root

Leptandra virginica, Veronica virginica

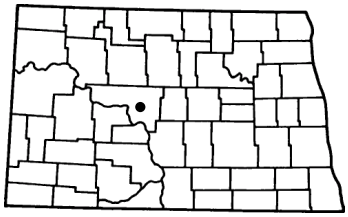


Distribution. GRAND FORKS, PEMBINA, SIOUX.

Sources: 1, 27, 29, 30, 34, 35, 39, 41, 43, 5, 7, *5*.

89. Plumbaginaceae, Leadwort family

1 (1252). *Limonium vulgare* Mill., Mediterranean sea lavender ☐



Distribution. MCLEAN.

Sources: *5*.

90. Podostemaceae, River-weed family

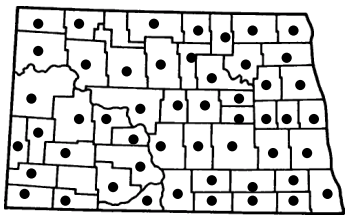
? *Podostemum ceratophyllum* Michx., hornleaf riverweed ■

Podostemum abrotanoides

Sources: 29.

91. Polemoniaceae, Phlox family

1 (1253). *Collomia linearis* Nutt., tiny trumpet ☐

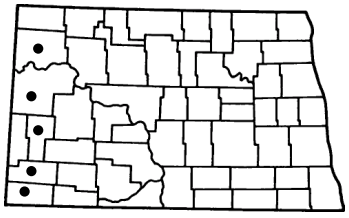


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, 9, *31*.

Photographed in VI–VII.

2 (1254). *Ipomopsis congesta* (Hook.) V.E. Grant, ballhead ipomopsis

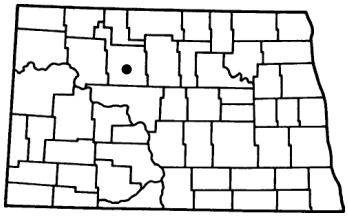


Distribution. BILLINGS, BOWMAN, MCKENZIE, SLOPE, WILLIAMS.

Sources: 1, 24, 29, 39, 4, 41, 43, 5, 6, *13*, *27*, *32*, *3*, *43*, *45*, *7*.

Photographed in VI.

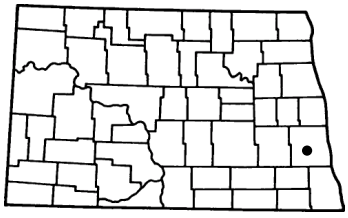
3 (1255). *Leptosiphon septentrionalis* (H. Mason) J.M. Porter & L.A. Johnson, northern linanthus



Distribution. WARD.

Sources: *5*.

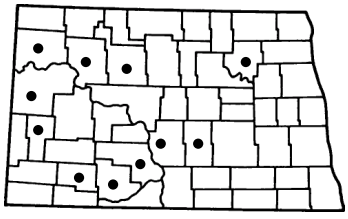
4 (1256). *Nama jamaicensis* L., Jamaicanweed



Distribution. CASS.

Sources: *5*.

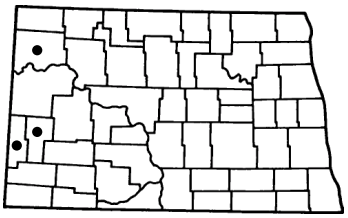
5 (1257). *Navarretia saximontana* S.C. Spencer, Rocky Mountain Pincushion-Plant



Distribution. BILLINGS, BURLEIGH, GRANT, HETTINGER, KIDDER, MCKENZIE, MORTON, MOUNTRAIL, RAMSEY, WARD, WILLIAMS.

Sources: 39, 4, *13*, *17*, *18*, *1*, *24*, *27*, *32*, *3*, *41*, *43*, *5*, *6*.

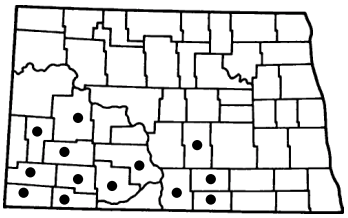
6 (1258). *Phlox alyssifolia* Greene, alyssumleaf phlox



Distribution. BILLINGS, GOLDEN VALLEY, WILLIAMS.

Sources: 1, 13, 27, 29, 33, 34, 35, 39, 41, 43, 5, 7, *32*.

7 (1259). *Phlox andicola* E.E. Nelson, prairie phlox



Distribution. ADAMS, BILLINGS, BOWMAN, DUNN, EMMONS, GRANT, HETTINGER, KIDDER, LOGAN, MCINTOSH, MORTON, SLOPE, STARK.

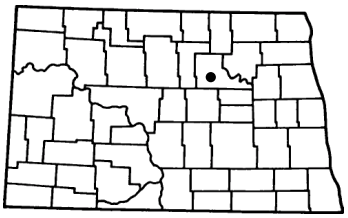
Sources: 1, 24, 27, 29, 31, 32, 39, 43, 5, *41*.

? *Phlox caespitosa* Nutt., tufted phlox

Phlox douglasii

Sources: *18*, *3*.

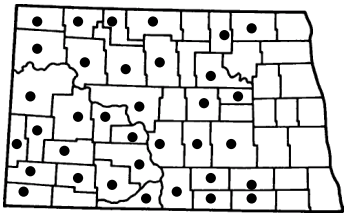
8 (1260). *Phlox divaricata* L., wild blue phlox



Distribution. BENSON.

Sources: 7.

9 (1261). *Phlox hoodii* Richardson, spiny phlox

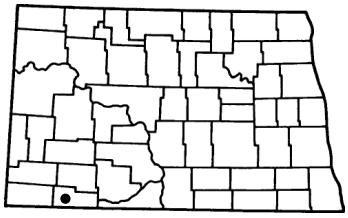


Distribution. BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, RENVILLE, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 19, 2, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *39*, *7*.

Photographed in V–VII.

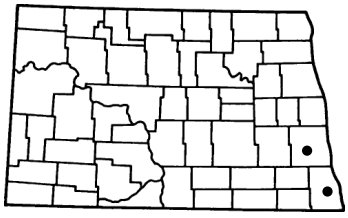
10 (1262). *Phlox paniculata* L., garden phlox



Distribution. ADAMS.

Sources: 20.

11 (1263). *Phlox pilosa* L., downy phlox



Distribution. CASS, RICHLAND.

Sources: 1, 25, 26, 27, 29, 3, 35, 39, 41, 43, 5.

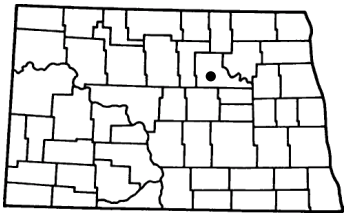
? *Polemonium caeruleum* L., charity

Polemonium columbianum

Sources: 38, 5.

12 (1264). *Polemonium micranthum* Benth., annual polemonium

Polemoniella micrantha

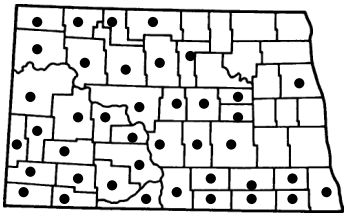


Distribution. BENSON.

Sources: 29, 39, 45.

92. Polygalaceae, Milkwort family

1 (1265). *Polygala alba* Nutt., white milkwort

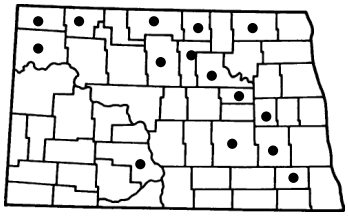


Distribution. ADAMS, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 6, 7, 8.

Photographed in VI–X.

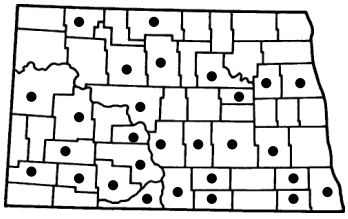
2 (1266). *Polygala senega* L., Seneca snakeroot ☐



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CAVALIER, DIVIDE, EDDY, GRIGGS, MCHENRY, MORTON, PIERCE, RANSOM, ROLETTE, STUTSMAN, WILLIAMS.

Sources: 1, 11, 13, 18, 19, 25, 26, 27, 28, 29, 3, 39, 41, 43, 45, 6, 7, 8.

3 (1267). *Polygala verticillata* L., whorled milkwort ☐



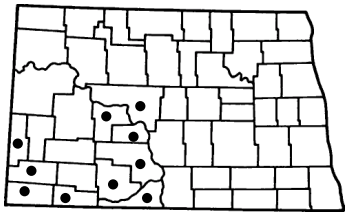
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, NELSON, OLIVER, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WARD.

Sources: 1, 10, 11, 13, 18, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 45, 6, 7, 8, 9, 7.

Photographed in VII.

93. Polygonaceae, Buckwheat family

1 (1268). *Eriogonum annuum* Nutt., annual buckwheat

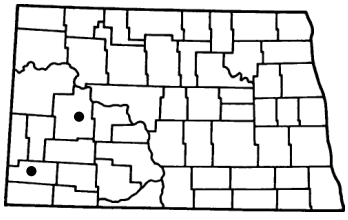


Distribution. ADAMS, BOWMAN, GOLDEN VALLEY, GRANT, MCLEAN, MERCER, MORTON, OLIVER, SIOUX, SLOPE.

Sources: 1, 12, 18, 27, 29, 3, 32, 39, 4, 41, 43, 45, 47, 5, 7.

Photographed in VIII.

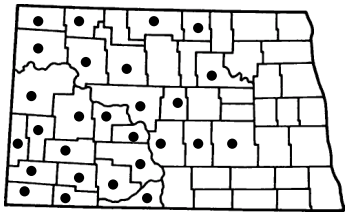
2 (1269). *Eriogonum cernuum* Nutt., nodding buckwheat



Distribution. DUNN, SLOPE.

Sources: 29, 34, 39, 41, 43, 5.

3 (1270). *Eriogonum flavum* Nutt., alpine golden buckwheat

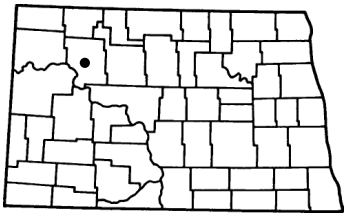


Distribution. ADAMS, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, ROLETTE, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 12, 13, 17, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 7.

Photographed in VI–VIII.

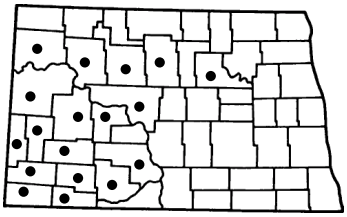
4 (1271). *Eriogonum gordonii* Benth., Gordon's buckwheat



Distribution. MOUNTRAIL.

Sources: 4, 41, *13*, *5*.

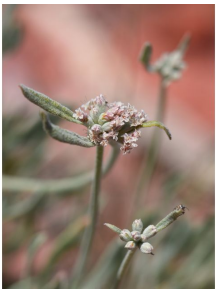
5 (1272). *Eriogonum pauciflorum* Pursh, fewflower buckwheat

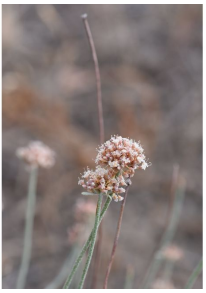


Distribution. ADAMS, BENSON, BILLINGS, BOWMAN, DUNN, GOLDEN VALLEY, GRANT, HETTINGER, MCHENRY, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, SLOPE, STARK, WARD, WILLIAMS.

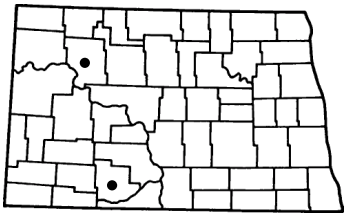
Sources: 1, 13, 18, 24, 29, 3, 39, 4, 41, 43, 45, 47, 5, 6, *27*, *32*, *43*, *45*, *5*, *7*.

Photographed in VI–VIII.





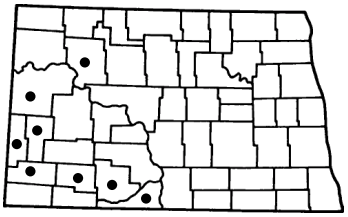
6 (1273). *Eriogonum trichopes* Torr., little deserttrumpet



Distribution. GRANT, MOUNTRAIL.

Sources: 27, 5.

7 (1274). *Eriogonum visheri* A. Nelson, Visher's buckwheat



Distribution. BILLINGS, GOLDEN VALLEY, GRANT, HETTINGER, MCKENZIE, MOUNTRAIL, SIOUX, SLOPE.

Sources: 1, 29, 33, 34, 35, 39, 41, 43, 45, 47, 5, 7, *5*.

* *Fagopyrum esculentum* Moench, buckwheat

Fagopyrum sagittatum, Fagopyrum vulgare

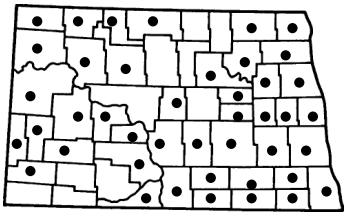
Sources: 1, 17, 18, 19, 29, 38, 39, 4, 43, 47, 7, *8*.

? *Fagopyrum tataricum* (L.) Gaertn., Tartary buckwheat

Polygonum tataricum

Sources: 18.

8 (1275). *Polygonum achoreum* S.F. Blake, leathery knotweed

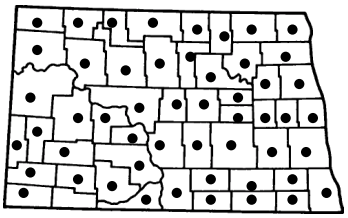


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 26, 27, 28, 29, 31, 39, 41, 43, 45, 47, 5, 7, 8.

9 (1276). *Polygonum amphibium* L., water knotweed

Polygonum coccineum

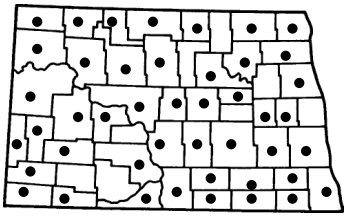


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 15, 16, 19, 2, 21, 24, 25, 26, 28, 29, 31, 4, 41, 42, 43, 44, 47, 5, 6, 7, 8, 9, *11*, *13*, *15*, *16*, *17*, *18*, *1*, *21*, *25*, *26*, *27*, *30*, *31*, *32*, *39*, *3*, *43*, *44*, *45*, *6*, *7*, *9*.

10 (1277). *Polygonum arenastrum* Jord. ex Boreau, oval-leaf knotweed ☐

Polygonum aequale, Polygonum montereyense

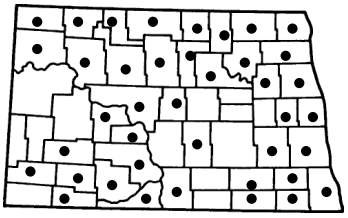


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 19, 2, 21, 24, 26, 29, 31, 43, 5, 6, 8, *45*.

11 (1278). *Polygonum aviculare* L., prostrate knotweed ☐

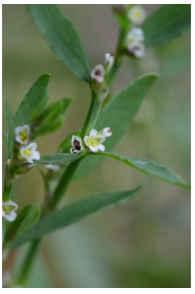
Polygonum heterophyllum, Polygonum monspeliense



Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EMMONS, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, MCHENRY, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, TOWNER, TRAILL, WALSH, WARD, WILLIAMS. Introduced.

Sources: 12, 13, 14, 17, 18, 21, 25, 27, 28, 29, 3, 30, 32, 39, 4, 43, 45, 47, 5, 7, 9.

Photographed in VI–X.

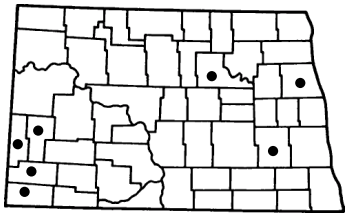


? *Polygonum bellardii* All., narrowleaf knotweed ☐

Polygonum neglectum, Polygonum provinciale, Polygonum rurivagum

Sources: 29.

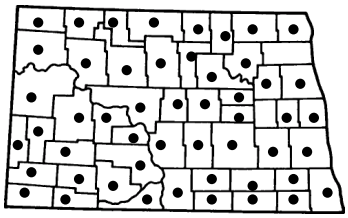
12 (1279). *Polygonum buxiforme* Small, box knotweed ☐



Distribution. BARNES, BENSON, BILLINGS, BOWMAN, GOLDEN VALLEY, GRAND FORKS, SLOPE.

Sources: 27, 29, 32, 41, 7, *18*, *7*.

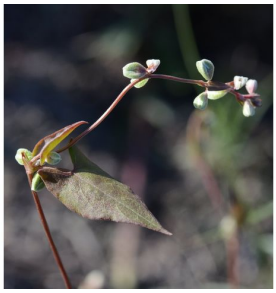
13 (1280). *Polygonum convolvulus* L., black bindweed



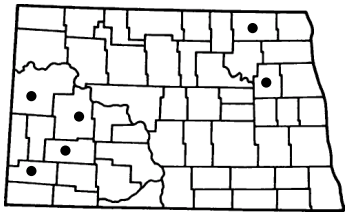
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 4, 41, 43, 45, 47, 5, 6, 7, 8, *18*, *39*, *40*, *43*, *45*.

Photographed in VII–IX.



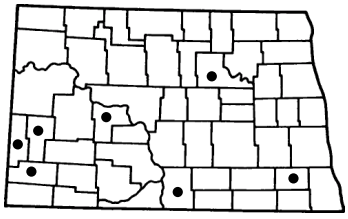
14 (1281). *Polygonum douglasii* Greene, Douglas' knotweed ☐



Distribution. CAVALIER, DUNN, MCKENZIE, NELSON, SLOPE, STARK.

Sources: 24, 29, 32, 33, 34, 35, 41, 43, 47, 5, 9, *18*, *1*, *39*.

15 (1282). *Polygonum erectum* L., erect knotweed ☐

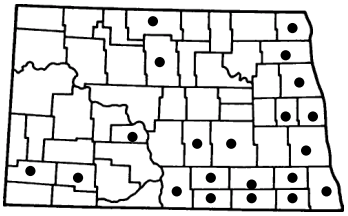


Distribution. BENSON, BILLINGS, EMMONS, GOLDEN VALLEY, MERCER, RANSOM, SLOPE.

Sources: 18, 25, 3, 32, 41, 43, 45, 7.

16 (1283). *Polygonum hydropiper* L., marshpepper knotweed ☐

Persicaria hydropiper

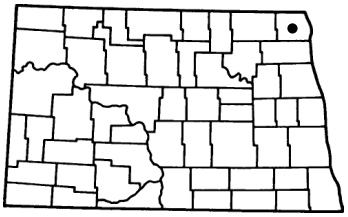


Distribution. BOTTINEAU, CASS, DICKEY, EMMONS, GRAND FORKS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SLOPE, STEELE, STUTSMAN, TRAILL, WALSH. Introduced.

Sources: 1, 11, 14, 15, 16, 2, 25, 27, 28, 29, 31, 43, 45, 47, 5, 6, 7, *26*, *39*, *3*, *43*, *45*.

17 (1284). *Polygonum hydropiperoides* Michx., swamp smartweed ☐

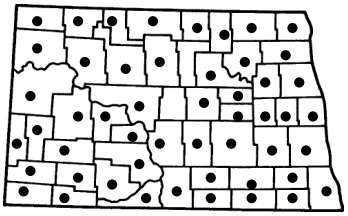
Persicaria hydropiperoides, Persicaria opelousana, Persicaria paludicola, Persicaria persicarioides, Polygonum opelousanum, Polygonum persicarioides



Distribution. PEMBINA.

Sources: 1, 15, 16, 29, 34, 35, 41, 43, 47, *39*.

18 (1285). *Polygonum lapathifolium* L., curlytop knotweed ☐

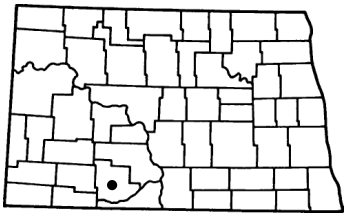


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, 9, *18*, *39*, *43*, *45*.

Photographed in VII–X.

19 (1286). *Polygonum leptocarpum* B.L. Rob., narrowpoint knotweed

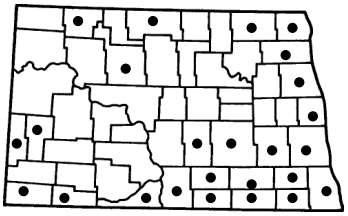


Distribution. GRANT.

Sources: 29, 34, 43, 5.

20 (1287). *Polygonum pensylvanicum* L., Pennsylvania smartweed

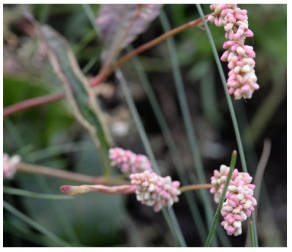
Persicaria bicornis, Persicaria longistyla, Persicaria mississippiensis, Persicaria pensylvanica, Polygonum bicorne, Polygonum longistylum, Polygonum mexicanum, Polygonum mississippiense



Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN, TRAILL, WALSH, WARD.

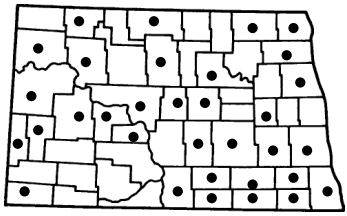
Sources: 1, 11, 14, 15, 16, 2, 26, 29, 31, 32, 4, 41, 42, 43, 47, 6, 7, *18*, *25*, *27*, *39*, *43*, *45*, *7*.

Photographed in VII–X.



21 (1288). *Polygonum persicaria* L., spotted ladysthumb

Persicaria maculata, Persicaria maculosa, Persicaria persicaria, Persicaria ruderalis, Persicaria vulgaris, Polygonum dubium, Polygonum minus, Polygonum puritanorum

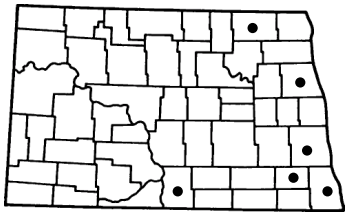


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SHERIDAN, STUTSMAN, WALSH, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 14, 15, 16, 19, 2, 24, 25, 26, 27, 28, 29, 30, 31, 32, 4, 42, 43, 45, 47, 5, 6, 7, *39*, *40*, *43*.

Photographed in VII–VIII.

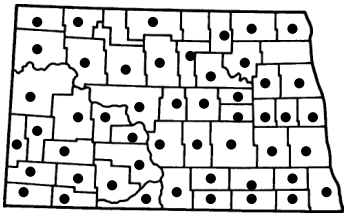
22 (1289). *Polygonum punctatum* Elliott, dotted smartweed



Distribution. CASS, CAVALIER, EMMONS, GRAND FORKS, RANSOM, RICHLAND.

Sources: 1, 15, 16, 25, 26, 27, 29, 3, 34, 35, 41, 43, 47, 5, 7, *18*, *39*, *45*.

23 (1290). *Polygonum ramosissimum* Michx., bushy knotweed



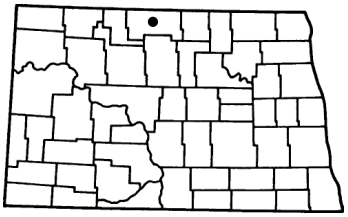
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 16, 17, 18, 19, 2, 21, 24, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, *13*, *25*, *27*, *30*, *32*, *43*, *45*.

Photographed in VII–X.

24 (1291). *Polygonum sagittatum* L., arrowleaf tearthumb

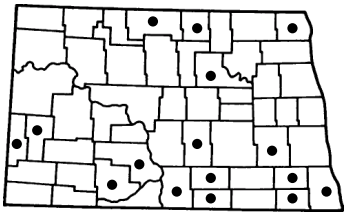
Persicaria sagittata, Tracaulon sagittatum, Truellum sagittatum



Distribution. BOTTINEAU.

Sources: 15, 16, 27, 28, 29, 34, 35, 43, 47, 5, *1*, *39*, *3*, *5*.

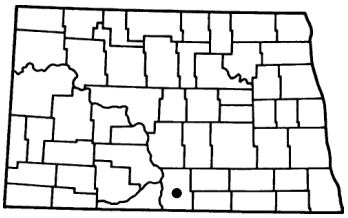
25 (1292). *Polygonum scandens* L., climbing false buckwheat



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MORTON, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT. Introduced.

Sources: 1, 11, 25, 26, 27, 28, 29, 3, 31, 32, 41, 43, 47, 5, 7, *18*, *39*, *43*, *45*.

26 (1293). *Polygonum tenue* Michx., pleatleaf knotweed

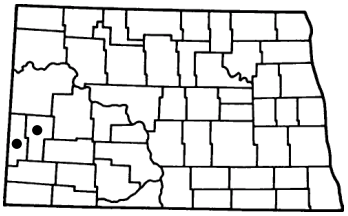


Distribution. EMMONS.

Sources: 43, 7.

27 (1294). *Rheum rhabarbarum* L., garden rhubarb

Rheum rhaponticum, Rhexia glabella

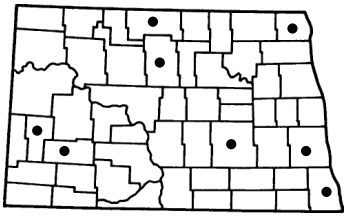


Distribution. BILLINGS, GOLDEN VALLEY. Introduced.

Sources: *18*, *32*, *39*.

28 (1295). *Rumex acetosella* L., common sheep sorrel

Acetosella acetosella, Acetosella vulgaris, Rumex angiocarpus

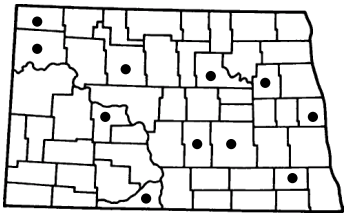


Distribution. BILLINGS, BOTTINEAU, CASS, MCHENRY, PEMBINA, RICHLAND, STARK, STUTSMAN. Introduced.

Sources: 1, 11, 18, 24, 25, 26, 27, 28, 29, 3, 39, 40, 43, 47, 5, 6, *32*.

29 (1296). *Rumex altissimus* Alph. Wood, pale dock

Rumex britannica, Rumex brittanicus, Rumex ellipticus

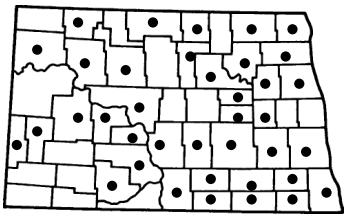


Distribution. BENSON, DIVIDE, KIDDER, MERCER, NELSON, RANSOM, SIOUX, STUTSMAN, TRAILL, WARD, WILLIAMS.

Sources: 4, 43, 47, 48, 5, 6, *39*, *7*.

Photographed in VII–X.

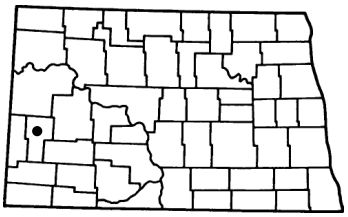
30 (1297). *Rumex aquaticus* L., western dock



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 14, 29, 4, 41, 42, 43, 47, 5, *11*, *13*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *3*, *43*, *45*, *6*, *7*, *8*, *9*.

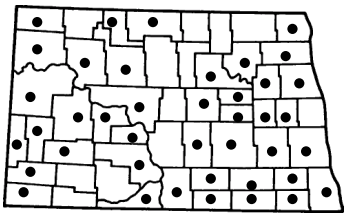
31 (1298). *Rumex confertus* Willd., Asiatic dock



Distribution. BILLINGS.

Sources: 39, 47, 5.

32 (1299). *Rumex crispus* L., curly dock



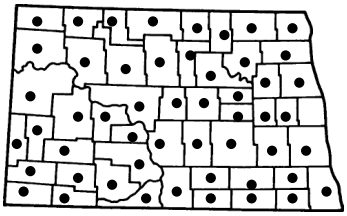
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 7, 8, *7*.

Photographed in VII.

33 (1300). *Rumex longifolius* DC., dooryard dock

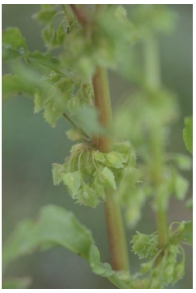
Rumex pseudonatronatus



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS. Introduced.

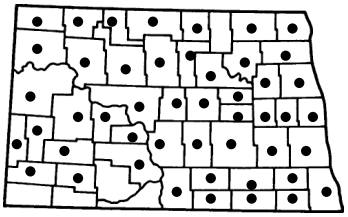
Sources: 29, 39, 4, 43, 47, 5, *11*, *13*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *28*, *29*, *2*, *30*, *31*, *32*, *39*, *43*, *47*, *5*, *6*.

Photographed in VI–IX.



34 (1301). *Rumex maritimus* L., golden dock

Rumex persicarioides

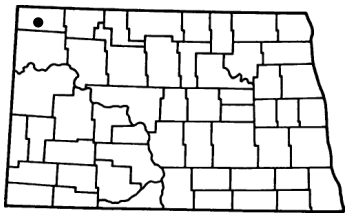


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 14, 15, 16, 19, 2, 21, 24, 25, 26, 28, 29, 31, 32, 4, 41, 42, 43, 44, 47, 5, 6, 7, 8, 9, *13*, *17*, *27*, *39*, *3*, *45*, *7*.

Photographed in VII–X.

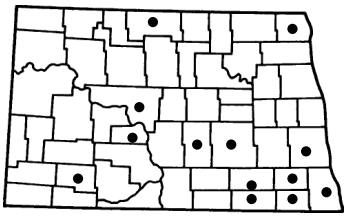
35 (1302). *Rumex obtusifolius* L., bitter dock



Distribution. DIVIDE. Introduced.

Sources: 6, 7.

36 (1303). *Rumex orbiculatus* A. Gray, greater water dock

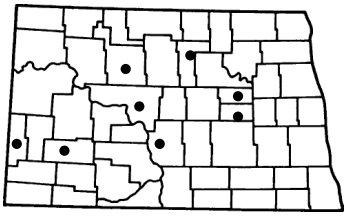


Distribution. BOTTINEAU, CASS, DICKEY, HETTINGER, KIDDER, LAMOURE, MCLEAN, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 15, 16, 2, 25, 26, 29, 30, 4, 41, 43, 6, 7, *27*.

Photographed in VIII.

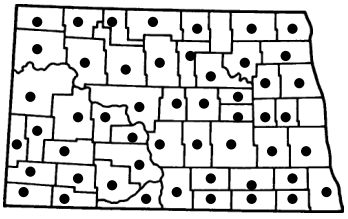
37 (1304). *Rumex patientia* L., patience dock



Distribution. BURLEIGH, EDDY, FOSTER, GOLDEN VALLEY, MCLEAN, PIERCE, STARK, WARD. Introduced.

Sources: 1, 16, 17, 19, 24, 29, 39, 43, 47, 5.

38 (1305). *Rumex salicifolius* Weinm., willow dock

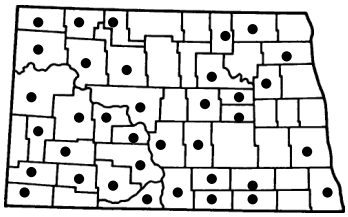


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 12, 13, 25, 29, 32, 4, 41, 43, 47, 5, 7, *10*, *11*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *26*, *27*, *28*, *2*, *30*, *31*, *39*, *3*, *43*, *45*, *5*, *6*, *7*, *8*.

Photographed in VI–IX.

39 (1306). *Rumex stenophyllus* Ledeb., narrowleaf dock

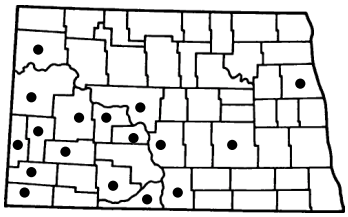


Distribution. BENSON, BILLINGS, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, RENVILLE, RICHLAND, SIOUX, SLOPE, STARK, TOWNER, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 13, 15, 16, 19, 2, 24, 25, 26, 29, 31, 32, 39, 4, 40, 43, 44, 45, 47, 5, 8.

Photographed in VII–X.

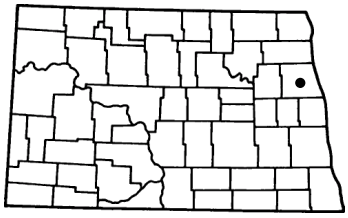
40 (1307). *Rumex venosus* Pursh, veiny dock



Distribution. BILLINGS, BOWMAN, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, MCKENZIE, MCLEAN, MERCER, OLIVER, SIOUX, SLOPE, STARK, STUTSMAN, WILLIAMS.

Sources: 1, 11, 13, 24, 27, 29, 3, 31, 32, 39, 41, 42, 43, 45, 47, 5, 6, 7, *18*.

41 (1308). *Rumex verticillatus* L., swamp dock



Distribution. GRAND FORKS.

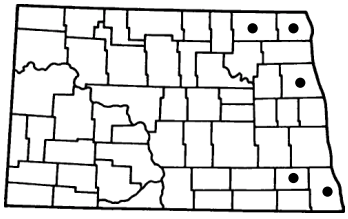
Sources: 7.

94. Polypodiaceae, Ferns

? *Asplenium trichomanes* L., maidenhair spleenwort

Sources: 23.

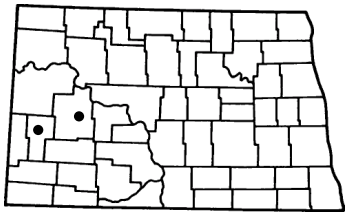
1 (1309). *Athyrium filix-femina* (L.) Roth, common ladyfern



Distribution. CAVALIER, GRAND FORKS, PEMBINA, RANSOM, RICHLAND.

Sources: 1, 14, 15, 16, 22, 25, 26, 29, 34, 35, 4, 41, 42, 43, 47, 5, 7, *23*, *27*, *33*, *39*, *5*, *6*.
Photographed in VII.

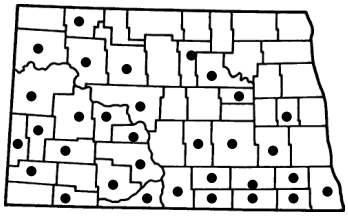
2 (1310). *Cheilanthes feei* T. Moore, slender lipfern



Distribution. BILLINGS, DUNN.

Sources: 29, 34, 35, 39, 41, 43.

3 (1311). *Cystopteris fragilis* (L.) Bernh., brittle bladderfern

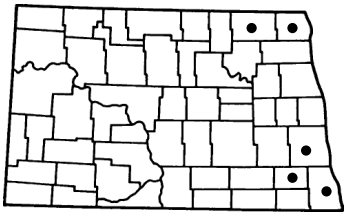


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BURKE, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PIERCE, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 19, 2, 22, 23, 24, 25, 26, 27, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 8, *23*.

4 (1312). *Dryopteris carthusiana* (Vill.) H.P. Fuchs, spinulose woodfern

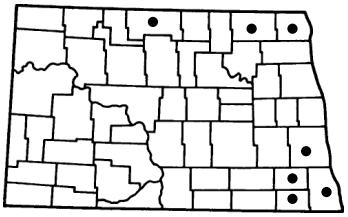
Dryopteris spinulosa



Distribution. CASS, CAVALIER, PEMBINA, RANSOM, RICHLAND.

Sources: 1, 15, 16, 26, 29, 33, 34, 35, 39, 41, 42, 43, 45, 47, 5, 6, *22*, *23*, *25*, *27*, *30*, *45*, *5*.

5 (1313). *Dryopteris cristata* (L.) A. Gray, crested woodfern



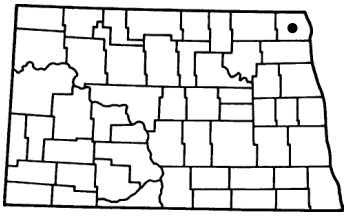
Distribution. BOTTINEAU, CASS, CAVALIER, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 1, 15, 16, 22, 23, 25, 26, 27, 29, 3, 30, 33, 34, 35, 39, 41, 42, 43, 45, 47, 5, 6, 7.

? *Dryopteris expansa* (C. Presl) Fraser-Jenk. & Jermy, spreading woodfern

Sources: 45.

6 (1314). *Dryopteris* ×*uliginosa* (A.Braun ex Dowell) Druce, spinulose crested woodfern

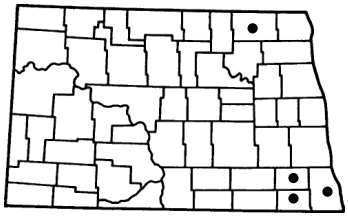


Distribution. PEMBINA.

Sources: *29*, *39*.

7 (1315). *Gymnocarpium dryopteris* (L.) Newman, western oakfern

Dryopteris dryopteris, Dryopteris linnaeana, Phegopteris dryopteris, Thelypteris dryopteris



Distribution. CAVALIER, RANSOM, RICHLAND, SARGENT.

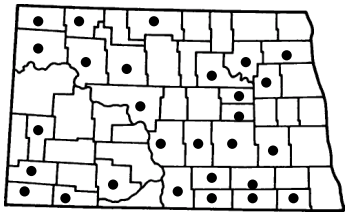
Sources: 18, 26, 29, 34, 35, 39, 41, 43, 5, 7.

? *Marsilea oligospora* Goodding, Pacific waterclover

Sources: 18.

8 (1316). *Marsilea vestita* Hook. & Grev., hairy waterclover

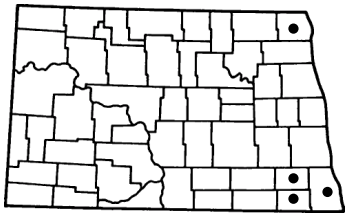
Marsilea minuta, Marsilea mucronata, Marsilea uncinata



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MOUNTRAIL, NELSON, RAMSEY, SARGENT, SLOPE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 15, 16, 18, 19, 2, 21, 23, 27, 29, 3, 39, 4, 41, 43, 45, 47, 5, 6, 8, *11*, *13*, *17*, *22*, *28*, *31*, *32*, *7*, *9*.

9 (1317). *Onoclea sensibilis* L., sensitive fern

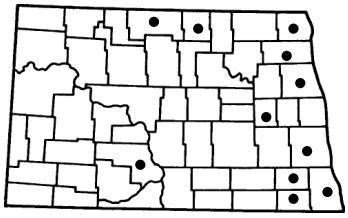


Distribution. PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 1, 15, 16, 22, 23, 25, 26, 27, 29, 3, 30, 33, 34, 35, 39, 41, 43, 47, 5, 6.

10 (1318). *Onoclea struthiopteris* (L.) Hoffm., ostrich fern

Matteuccia struthiopteris, Matteuccia pensylvanica, Pteretis nodulosa, Pteretis pensylvanica

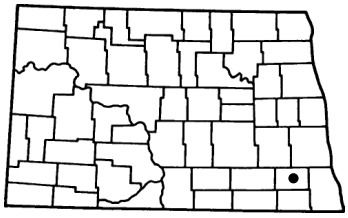


Distribution. BOTTINEAU, CASS, GRAND FORKS, GRIGGS, MORTON, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, WALSH.

Sources: 4, *14*, *15*, *16*, *1*, *22*, *23*, *25*, *26*, *27*, *28*, *29*, *30*, *39*, *3*, *41*, *42*, *43*, *45*, *47*, *5*, *6*.

Photographed in VII–VIII.

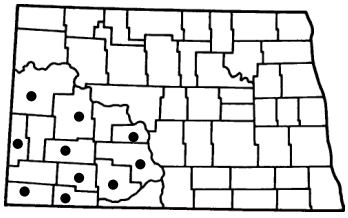
11 (1319). *Osmunda cinnamomea* L., cinnamon fern



Distribution. RANSOM.

Sources: 45.

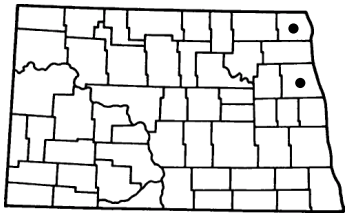
12 (1320). *Pellaea glabella* Mett. ex Kuhn, smooth cliffbrake



Distribution. ADAMS, BOWMAN, DUNN, GOLDEN VALLEY, GRANT, HETTINGER, MCKENZIE, MORTON, OLIVER, STARK.

Sources: 1, 22, 23, 24, 27, 29, 32, 34, 39, 41, 43, 45, 47, 5, *18*, *3*, *5*, 7.

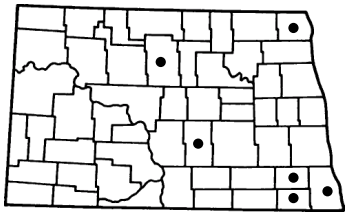
13 (1321). *Pteridium aquilinum* (L.) Kuhn, western brackenfern



Distribution. GRAND FORKS, PEMBINA.

Sources: 1, 22, 23, 27, 29, 30, 34, 39, 41, 43, 45, 47, 5, 6, 7, *33*.

14 (1322). *Thelypteris palustris* Schott, eastern marsh fern



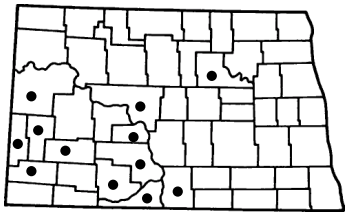
Distribution. KIDDER, MCHENRY, PEMBINA, RANSOM, RICHLAND, SARGENT.

Sources: 1, 15, 16, 22, 23, 25, 26, 29, 33, 34, 35, 39, 41, 43, 45, 47, 5, 6, 7, *27*, *31*, *5*.

? *Woodsia obtusa* (Spreng.) Torr., bluntlobe cliff fern

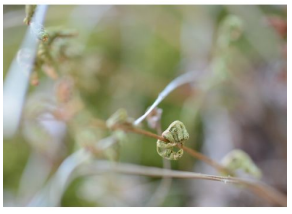
Sources: 18, 27.

15 (1323). *Woodsia oregana* D.C. Eaton, Oregon cliff fern



Distribution. BENSON, BILLINGS, EMMONS, GOLDEN VALLEY, GRANT, MCKENZIE, MCLEAN, MORTON, OLIVER, SIOUX, SLOPE, STARK.

Sources: 1, 18, 22, 24, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, *23*.



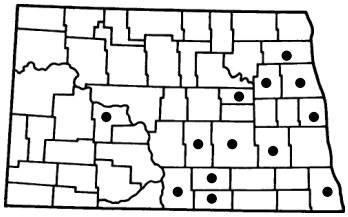
? *Woodsia scopulina* D.C. Eaton, Rocky Mountain woodsia

Sources: 18.

95. Pontederiaceae, Water-Hyacinth family

1 (1324). *Heteranthera dubia* (Jacq.) MacMill., grassleaf mudplantain

Heteranthera graminea, Heteranthera liebmannii, Zosterella dubia, Zosterella longituba

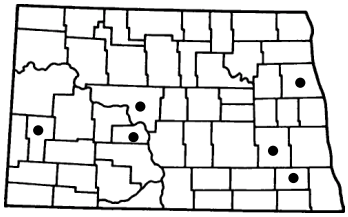


Distribution. BARNES, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MERCER, NELSON, RICHLAND, STUTSMAN, TRAILL, WALSH.

Sources: 1, 11, 15, 26, 27, 29, 31, 39, 41, 47, 5, 6, 7, *16*, *19*, *25*, *7*.

96. Potamogetonaceae, Pondweed family

1 (1325). *Potamogeton amplifolius* Tuck., largeleaf pondweed

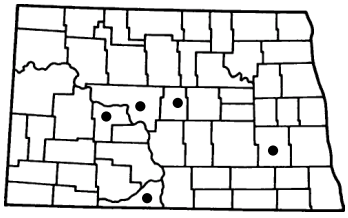


Distribution. BARNES, BILLINGS, GRAND FORKS, MCLEAN, OLIVER, RANSOM.

Sources: 1, 11, 14, 15, 16, 25, 26, 29, 33, 34, 35, 39, 41, 43, 5, 7, *32*, *5*.

2 (1326). *Potamogeton crispus* L., curly pondweed

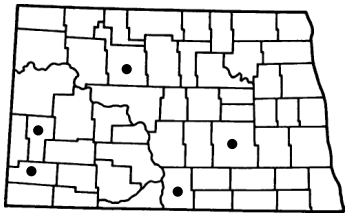
Potamogeton capillaceus



Distribution. BARNES, MCLEAN, MERCER, SHERIDAN, SIOUX. Introduced.

Sources: 11, 15, 16, 29, 33, 39, 40, 48, 5, 6.

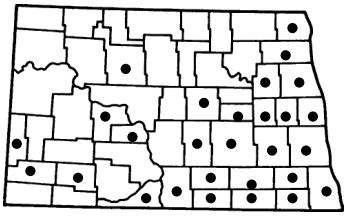
3 (1327). *Potamogeton diversifolius* Raf., waterthread pondweed



Distribution. BILLINGS, EMMONS, SLOPE, STUTSMAN, WARD.

Sources: 15, 16, 29, 34, 35, 39, 43, 47, 5.

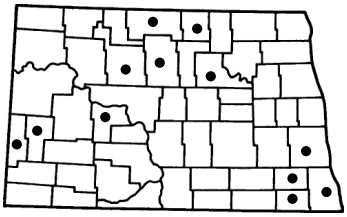
4 (1328). *Potamogeton foliosus* Raf., leafy pondweed



Distribution. BARNES, CASS, DICKEY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MERCER, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 11, 15, 16, 18, 19, 2, 25, 26, 27, 29, 3, 30, 39, 41, 43, 45, 47, 48, 5, 7, *31*.

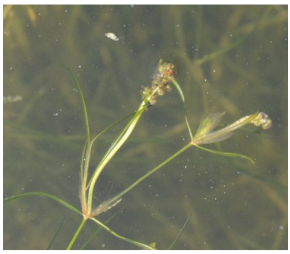
5 (1329). *Potamogeton friesii* Rupr., Fries' pondweed



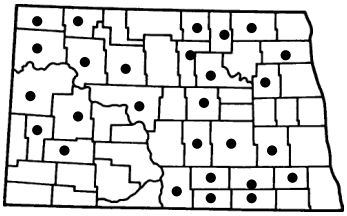
Distribution. BENSON, BILLINGS, BOTTINEAU, CASS, GOLDEN VALLEY, MCHENRY, MERCER, RANSOM, RICHLAND, ROLETTE, SARGENT, WARD.

Sources: 1, 15, 16, 26, 29, 39, 4, 41, 43, 47.

Photographed in VII.



6 (1330). *Potamogeton gramineus* L., variableleaf pondweed

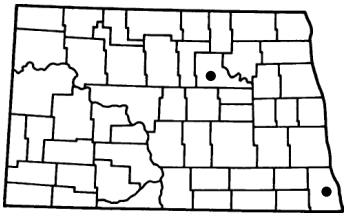


Distribution. BARNES, BENSON, BILLINGS, BURKE, CAVALIER, DICKEY, DIVIDE, DUNN, EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, NELSON, PIERCE, RANSOM, ROLETTE, STARK, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 2, 24, 25, 26, 27, 29, 31, 32, 39, 41, 43, 45, 47, 5, 6, 7, 9.

7 (1331). *Potamogeton illinoensis* Morong, Illinois pondweed

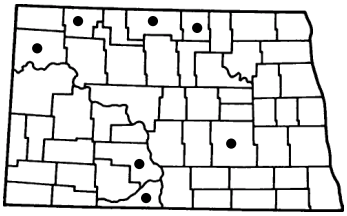
Potamogeton heterophyllus, Potamogeton lucens



Distribution. BENSON, RICHLAND.

Sources: 29, 39, *18*, *3*, *45*, *7*.

8 (1332). *Potamogeton natans* L., floating pondweed



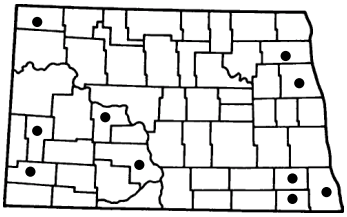
Distribution. BOTTINEAU, BURKE, MORTON, ROLETTE, SIOUX, STUTSMAN, WILLIAMS.

Sources: 1, 15, 16, 18, 27, 28, 29, 3, 33, 34, 35, 39, 4, 41, 43, 45, 47, 5, 7.

Photographed in VII–VIII.

9 (1333). *Potamogeton nodosus* Poir., longleaf pondweed

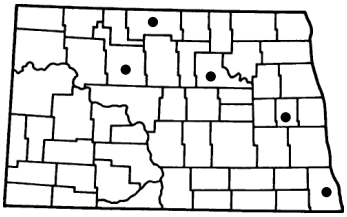
Potamogeton americanus



Distribution. BILLINGS, DIVIDE, GRAND FORKS, MERCER, MORTON, RANSOM, RICHLAND, SARGENT, SLOPE, WALSH.

Sources: 1, 15, 16, 25, 26, 27, 29, 3, 39, 41, 43, 47, 5, 6.

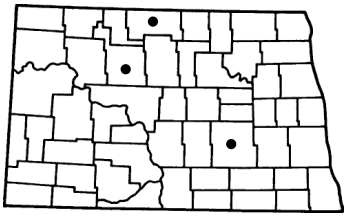
10 (1334). *Potamogeton perfoliatus* L., claspingleaf pondweed



Distribution. BENSON, BOTTINEAU, RICHLAND, STEELE, WARD.

Sources: 17, 18, 27, 3, 45.

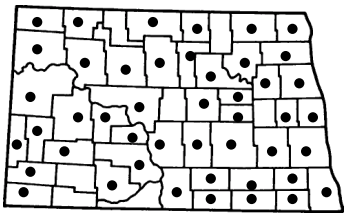
11 (1335). *Potamogeton praelongus* Wulfen, whitestem pondweed



Distribution. BOTTINEAU, STUTSMAN, WARD.

Sources: 1, 15, 16, 29, 33, 34, 35, 39, 41, 43, 5, 6.

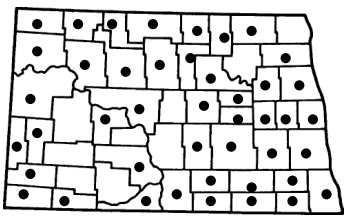
12 (1336). *Potamogeton pusillus* L., small pondweed



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 15, 16, 17, 19, 2, 21, 24, 26, 27, 29, 31, 39, 41, 43, 45, 47, 5, 6, 7, 8, *16*, *39*.

13 (1337). *Potamogeton richardsonii* (Benn.) Rydb., Richardson's pondweed



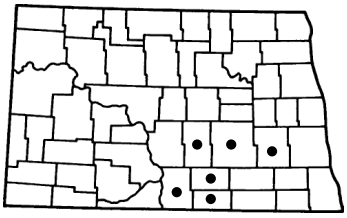
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 19, 2, 24, 25, 26, 28, 29, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8.

Photographed in VII–X.

14 (1338). *Potamogeton spirillus* Tuck., spiral pondweed

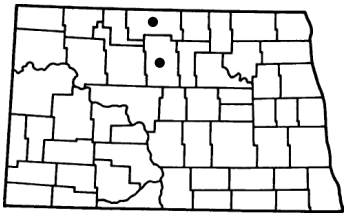
Potamogeton dimorphus, Potamogeton longiligulatus, Potamogeton rutilus



Distribution. BARNES, EMMONS, KIDDER, LOGAN, MCINTOSH, STUTSMAN.

Sources: 11, 29, 31, 33, 41, 43, 6.

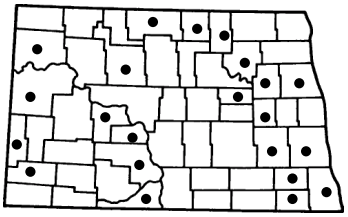
15 (1339). *Potamogeton strictifolius* Benn., narrowleaf pondweed



Distribution. BOTTINEAU, MCHENRY.

Sources: 1, 15, 16, 29, 33, 34, 35, 39, 41, 43, 47.

16 (1340). *Potamogeton zosteriformis* Fernald, flatstem pondweed

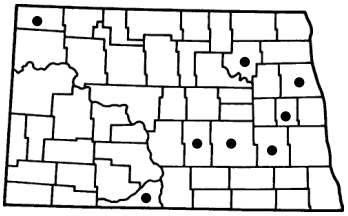


Distribution. BARNES, BOTTINEAU, CASS, EDDY, GOLDEN VALLEY, GRAND FORKS, GRIGGS, MCKENZIE, MERCER, MORTON, NELSON, OLIVER, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, TOWNER, WARD, WILLIAMS.

Sources: 14, 15, 16, 17, 19, 24, 25, 26, 27, 29, 32, 39, 41, 43, 45, 47, 48, 5, 6, 7, *18*, *1*, *3*.

17 (1341). *Stuckenia filiformis* (Pers.) Borner, fineleaf pondweed

Potamogeton filiformis



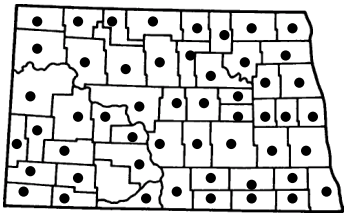
Distribution. BARNES, DIVIDE, GRAND FORKS, KIDDER, RAMSEY, SIOUX, STEELE, STUTSMAN.

Sources: 29, 34, 39, 4, 41, 43, 47, 5, *11*, *15*, *16*, *1*, *33*, *35*, *43*, *48*, *5*, *7*.

Photographed in VII.

18 (1342). *Stuckenia pectinata* (L.) Borner, sago pondweed

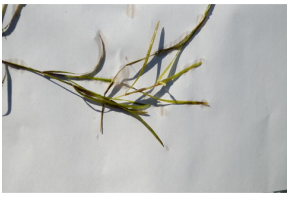
Coleogeton pectinatus, Potamogeton pectinatus, Stuckenia pectinatus

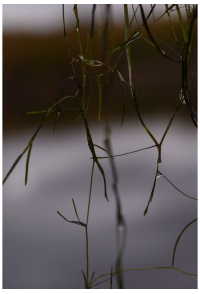


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 29, 3, 39, 4, 43, 45, 47, 48, 5, *11*, *13*, *15*, *16*, *17*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *41*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

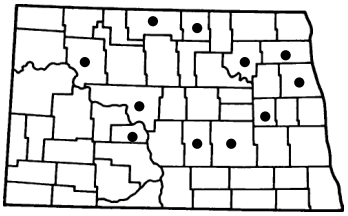
Photographed in VII–X.





19 (1343). *Stuckenia vaginata* (Turcz.) Holub, sheathed pondweed

Coleogeton vaginatus, Potamogeton interruptus, Potamogeton vaginatus, Stuckenia vaginatus



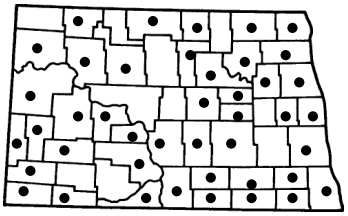
Distribution. BOTTINEAU, GRAND FORKS, GRIGGS, KIDDER, MCLEAN, MOUNTRAIL, OLIVER, RAMSEY, ROLETTE, STUTSMAN, WALSH.

Sources: 29, 34, 39, 4, 47, 5, *15*, *21*, *27*, *33*, *35*, *41*, *43*, *5*, *6*, *7*.

Photographed in VII–X.

20 (1344). *Zannichellia palustris* L., horned pondweed

Zannichellia major



Distribution. ADAMS, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

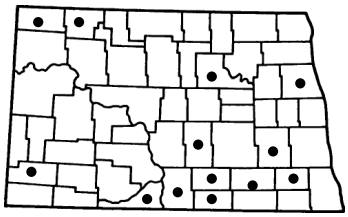
Sources: 10, 11, 13, 15, 16, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 47, 48, 5, 6, 7, 8, 9, *21*.

Photographed in VIII.

97. Primulaceae, Primrose family

1 (1345). *Anagallis minima* (L.) Krause, chaffweed

Centunculus minimus



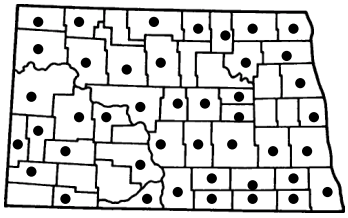
Distribution. BARNES, BENSON, BURKE, DIVIDE, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, RANSOM, SIOUX, SLOPE.

Sources: 29, 3, 4, 41, 43, 47, 5, *11*, *13*, *18*, *1*, *27*, *31*, *39*, *5*, *7*.

Photographed in VII.

2 (1346). *Androsace occidentalis* Pursh, western rockjasmine

Androsace arizonica

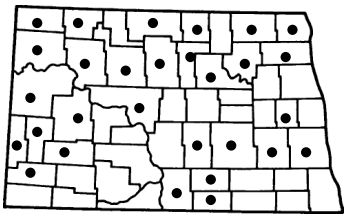


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *21*.

Photographed in V–VI.

3 (1347). *Androsace septentrionalis* L., pygmyflower rockjasmine

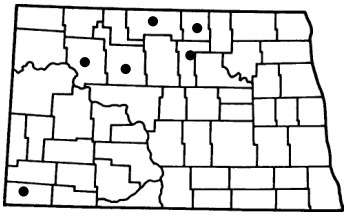


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, PEMBINA, PIERCE, RAMSEY, ROLETTE, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 21, 24, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 47, 5, 7, *27*, *28*, *7*.

Photographed in VI.

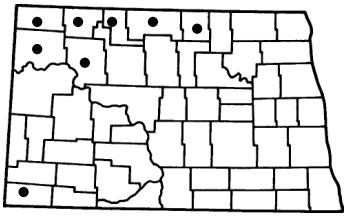
4 (1348). *Dodecatheon meadia* L., pride of Ohio



Distribution. BOTTINEAU, BOWMAN, MOUNTRAIL, PIERCE, ROLETTE, WARD.

Sources: 17, 27, 28, 5.

5 (1349). *Dodecatheon pulchellum* (Raf.) Merr., darkthroat shootingstar

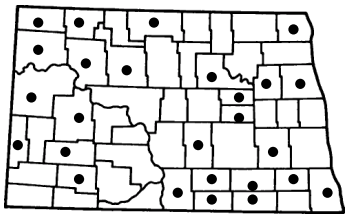


Distribution. BOTTINEAU, BOWMAN, BURKE, DIVIDE, MOUNTRAIL, RENVILLE, ROLETTE, WILLIAMS.

Sources: 18, 29, 39, 4, 41, 44, 47, 5, *13*, *18*, *1*, *32*, *3*, *45*, *5*.

Photographed in VI.

6 (1350). *Glaux maritima* L., sea milkwort

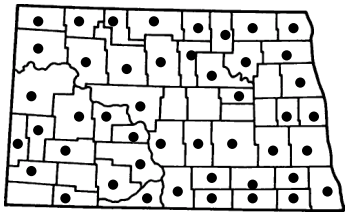


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MOUNTRAIL, NELSON, PEMBINA, RANSOM, RICHLAND, STARK, WARD, WILLIAMS.

Sources: 1, 11, 15, 16, 17, 18, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 4, 41, 43, 45, 47, 5, 6, 7, 8, 9, *13*, *32*, *39*, *43*.

7 (1351). *Lysimachia ciliata* L., fringed loosestrife

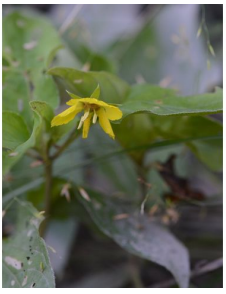
Steironema ciliatum, Steironema pumilum



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WILLIAMS.

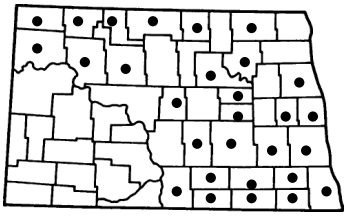
Sources: 1, 10, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 47, 5, 6, 7, 8, *18*, *45*, *7*.

Photographed in VII–VIII.



8 (1352). ***Lysimachia hybrida*** **Michx., lowland yellow loosestrife**

Steironema hybridum, Steironema laevigatum



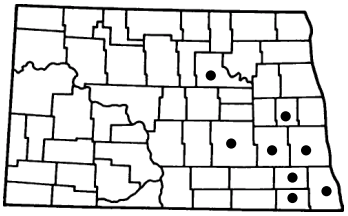
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MOUNTRAIL, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STEELE, STUTSMAN, TRAILL, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 17, 2, 21, 25, 26, 28, 29, 31, 39, 4, 41, 43, 44, 47, 5, 6, *45*, *7*, *8*.

Photographed in VII.

9 (1353). *Lysimachia lanceolata* Walter, lanceleaf loosestrife

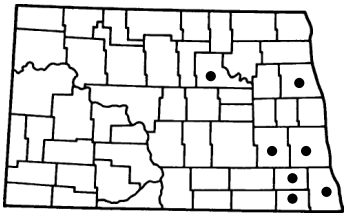
Steironema heterophyllum, Steironema lanceolatum



Distribution. BARNES, BENSON, CASS, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN.

Sources: 1, 25, 47, *18*, *3*, *45*, *7*.

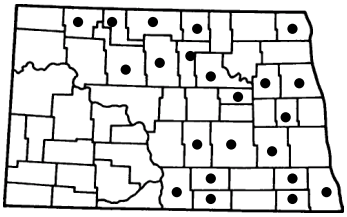
10 (1354). *Lysimachia quadriflora* Sims, fourflower yellow loosestrife



Distribution. BARNES, BENSON, CASS, GRAND FORKS, RANSOM, RICHLAND, SARGENT.

Sources: 1, 15, 16, 25, 26, 29, 39, 41, 43, 45, 47, 5, 6, 7, *27*, *3*, *7*.

11 (1355). *Lysimachia thyrsiflora* L., tufted loosestrife

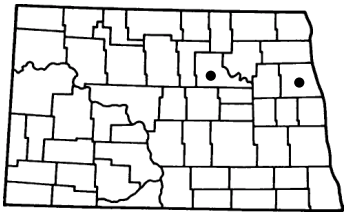


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, NELSON, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, WARD.

Sources: 1, 11, 13, 15, 16, 17, 19, 25, 26, 27, 29, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 6, 8, *18*, *28*, *3*, *5*, *6*, *7*, *9*.

Photographed in VII.

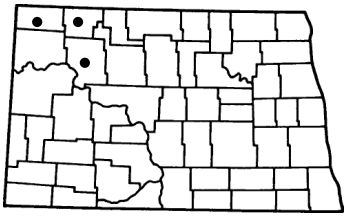
12 (1356). *Lysimachia verticillata* M. Bieb., loosestrife



Distribution. BENSON, GRAND FORKS.

Sources: 18, 27, 7, *45*.

13 (1357). *Primula incana* M.E. Jones, silvery primrose

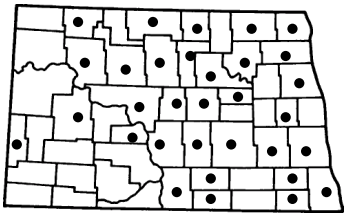


Distribution. BURKE, DIVIDE, MOUNTRAIL.

Sources: 13, 16, 27, 29, 33, 34, 35, 39, 4, 41, 43, 47, 5.

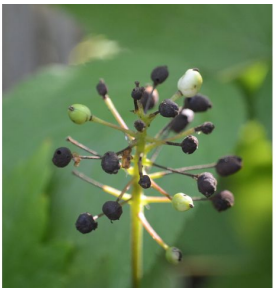
98. Ranunculaceae, Buttercup family

1 (1358). *Actaea rubra* (Aiton) Willd., red baneberry



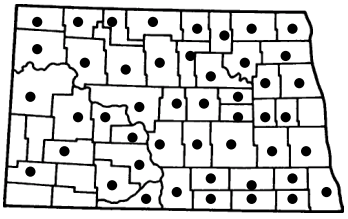
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STEELE, STUTSMAN, WALSH, WARD, WELLS.

Sources: 11, 13, 14, 17, 19, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, *1*, *44*.



2 (1359). *Anemone canadensis* L., Canadian anemone

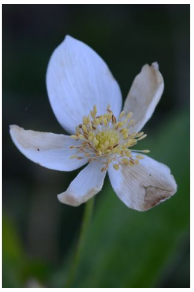
Anemonidium canadense



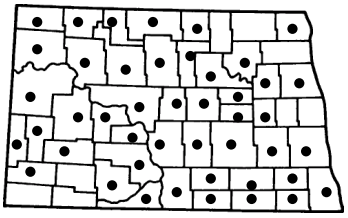
Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 13, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *11*, *28*, *45*, *6*, *7*.

Photographed in VI–VIII.



3 (1360). *Anemone cylindrica* A. Gray, candle anemone

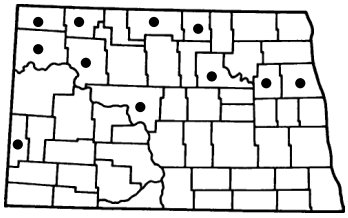


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *12*.

Photographed in VI–IX.

4 (1361). ***Anemone multifida*** **Poir., Pacific anemone** ☐



Distribution. BENSON, BOTTINEAU, BURKE, DIVIDE, GOLDEN VALLEY, GRAND FORKS, MCLEAN, MOUNTRAIL, NELSON, ROLETTE, WILLIAMS.

Sources: 1, 13, 18, 29, 3, 39, 4, 41, 43, 45, 47, 5, 9, *27*, *28*, *32*, *7*.

? ***Anemone nemorosa*** **L., European thimbleweed** ☐

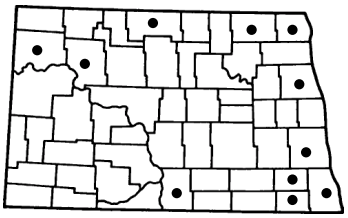
Anemonidium nemorosum

Sources: *7*.

? ***Anemone parviflora*** **Michx., smallflowered anemone** ☐

Sources: 29.

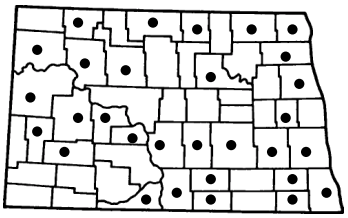
5 (1362). *Anemone quinquefolia* L., wood anemone



Distribution. BOTTINEAU, CASS, CAVALIER, EMMONS, GRAND FORKS, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, SARGENT, WILLIAMS.

Sources: 1, 26, 27, 29, 3, 30, 34, 39, 41, 42, 43, 47, 5, 6, 7.

6 (1363). *Anemone virginiana* L., tall thimbleweed



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DUNN, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 14, 18, 24, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, *13*, *25*, *32*, *7*.

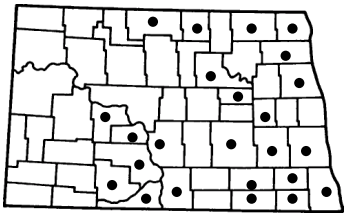
Photographed in VII.

? *Aquilegia brevistyla* Hook., smallflower columbine

Sources: 5.

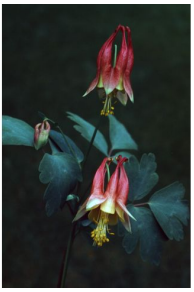
7 (1364). *Aquilegia canadensis* L., red columbine

Aquilegia australis, Aquilegia coccinea, Aquilegia latiuscula, Aquilegia phoenicantha



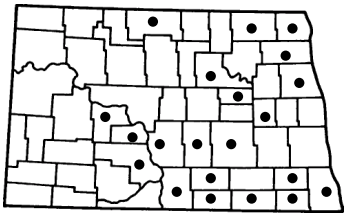
Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, LAMOURE, MERCER, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STUTSMAN, WALSH.

Sources: 1, 11, 14, 18, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *2*.



8 (1365). *Caltha palustris* L., yellow marsh marigold

Calycadenia ciliosa

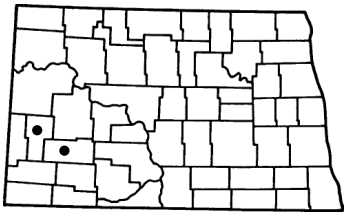


Distribution. BENSON, BOTTINEAU, BURLEIGH, CAVALIER, DICKEY, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCINTOSH, MERCER, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH.

Sources: 1, 14, 15, 16, 19, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 47, 6, 7, 8, *5*.

9 (1366). *Ceratocephala testiculata* (Crantz) Roth, curveseed butterwort

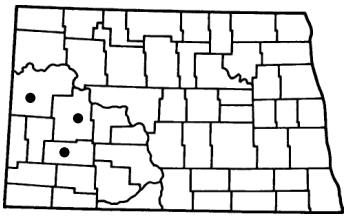
Ceratocephala orthoceras, Ranunculus testiculatus



Distribution. BILLINGS, STARK. Introduced.

Sources: 29, 39, 45, 47, *45*, *5*.

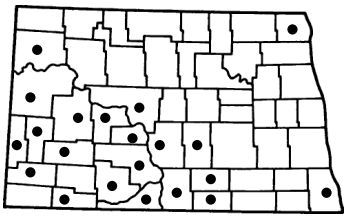
10 (1367). *Clematis columbiana* (Nutt.) Torr. & A. Gray, rock clematis ☐



Distribution. DUNN, MCKENZIE, STARK.

Sources: 29, 34, 39, 41, 43, 47, 5, 7, *24*, *27*, *33*, *35*, *5*.

11 (1368). *Clematis ligusticifolia* Nutt., western white clematis ☐



Distribution. ADAMS, BILLINGS, BURLEIGH, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, OLIVER, PEMBINA, RICHLAND, SIOUX, SLOPE, STARK, WILLIAMS.

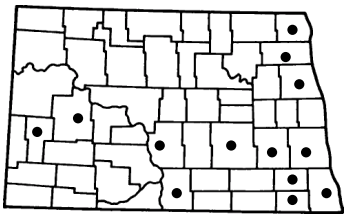
Sources: 1, 13, 18, 24, 27, 29, 3, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 7.

Photographed in VII–X.

* *Clematis tangutica* (Maxim.) Korsh., Russian Virgin's Bower ☐

Sources: 38, 5.

12 (1369). *Clematis virginiana* L., devil's darning needles

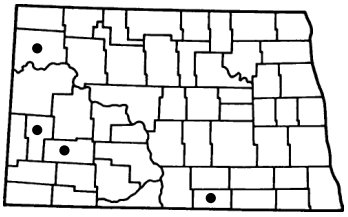


Distribution. BARNES, BILLINGS, BURLEIGH, CASS, DUNN, EMMONS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH.

Sources: 1, 11, 14, 18, 25, 26, 29, 3, 30, 39, 4, 41, 42, 43, 45, 47, 6, 7, *27*, *7*.

13 (1370). *Consolida ajacis* (L.) Schur, doubtful knight's-spur

Consolida ambigua, Delphinium ajacis, Delphinium ambiguum



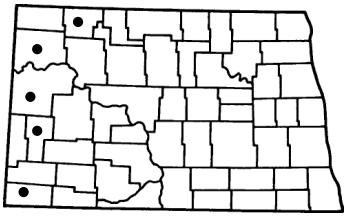
Distribution. BILLINGS, MCINTOSH, STARK, WILLIAMS. Introduced.

Sources: 29, 39, 43, 47, 5, *1*, *24*, *31*.

† *Consolida pubescens* (DC.) Soo, hairy knight's-spur

Sources: 29, 39, 47.

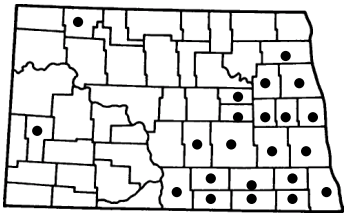
14 (1371). *Delphinium bicolor* Nutt., little larkspur



Distribution. BILLINGS, BOWMAN, BURKE, MCKENZIE, WILLIAMS.

Sources: 1, 24, 27, 29, 3, 32, 39, 41, 43, 45, 47, 7, *13*, *18*.

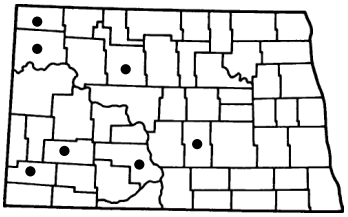
15 (1372). *Delphinium carolinianum* Walter, Carolina larkspur



Distribution. BARNES, BILLINGS, BURKE, CASS, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, NELSON, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, TRAILL, WALSH.

Sources: 14, 18, 29, 3, 39, 41, 43, 45, 47, 5, 7, *11*, *1*, *25*, *26*, *27*, *2*, *31*, *6*, *7*, *8*, *9*.

16 (1373). *Myosurus apetalus* C. Gay, bristly mousetail

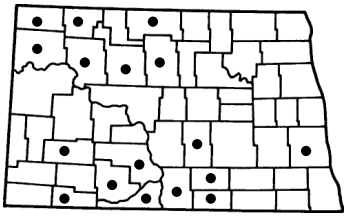


Distribution. DIVIDE, KIDDER, MORTON, SLOPE, STARK, WARD, WILLIAMS.

Sources: 29, 39, 41, 43, 47, 5, *17*, *32*, *33*, *35*, *5*.

17 (1374). *Myosurus minimus* L., tiny mousetail

Myosurus clavicaulis, Myosurus lepturus

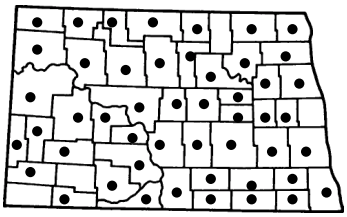


Distribution. ADAMS, BOTTINEAU, BURKE, CASS, DIVIDE, EMMONS, GRANT, KIDDER, LOGAN, MCHENRY, MCINTOSH, MORTON, MOUNTRAIL, SIOUX, STARK, WARD, WILLIAMS.

Sources: 1, 13, 16, 24, 28, 29, 31, 39, 4, 41, 43, 45, 47, 5, *27*.

Photographed in V.

18 (1375). *Pulsatilla patens* (L.) Mill., eastern pasqueflower

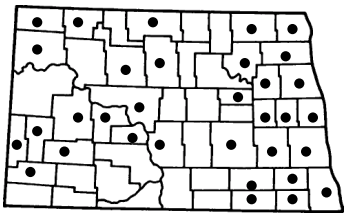


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 12, 14, 29, 39, 4, 42, 43, 45, 47, 5, *10*, *11*, *13*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *3*, *41*, *43*, *44*, *45*, *6*, *7*, *8*, *9*.

Photographed in VI–VII.

19 (1376). *Ranunculus abortivus* L., littleleaf buttercup

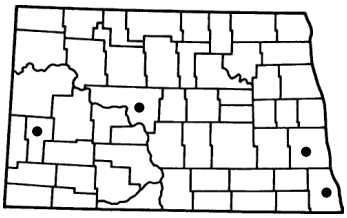


Distribution. BARNES, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, GOLDEN VALLEY, GRAND FORKS, GRIGGS, LAMOURE, MCHENRY, MCLEAN, MERCER, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 7, 8, *6*.

Photographed in V–VI.

20 (1377). *Ranunculus acris* L., tall buttercup

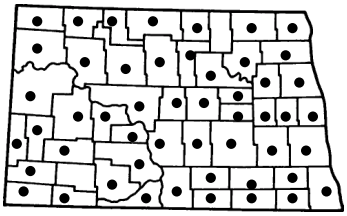


Distribution. BILLINGS, CASS, MCLEAN, RICHLAND. Introduced.

Sources: 1, 18, 25, 26, 27, 29, 3, 34, 39, 40, 41, 43, 47.

21 (1378). *Ranunculus aquatilis* L., white water crowfoot

Batrachium aquatile

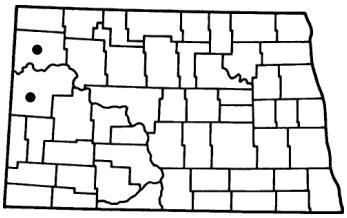


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 13, 14, 17, 25, 26, 27, 28, 3, 4, 41, 43, 45, 47, 5, 7, *11*, *12*, *15*, *16*, *19*, *1*, *21*, *24*, *26*, *29*, *2*, *31*, *32*, *39*, *43*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VII.

22 (1379). *Ranunculus cardiophyllus* Hook., heartleaf buttercup

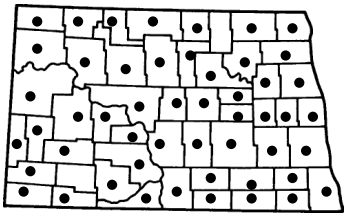


Distribution. MCKENZIE, WILLIAMS.

Sources: 16, 24, 29, 33, 34, 35, 39, 41, 43, 47, 5.

23 (1380). *Ranunculus cymbalaria* Pursh, alkali buttercup

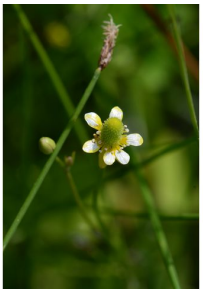
Halerpestes cymbalaria

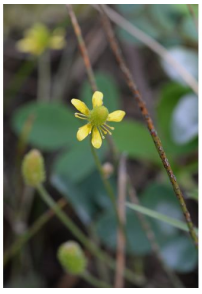


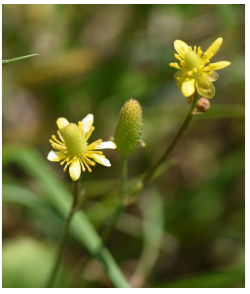
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *13*, *18*, *39*.

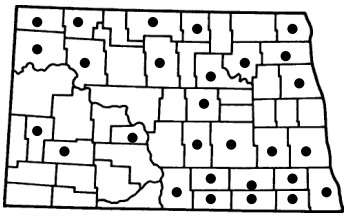
Photographed in VI–X.







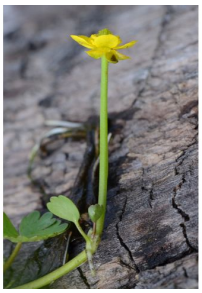
24 (1381). *Ranunculus flabellaris* Raf., yellow water buttercup



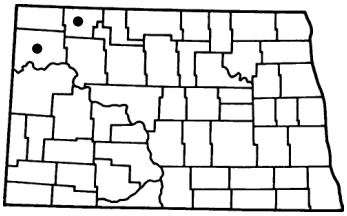
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, DICKEY, DIVIDE, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STUTSMAN, WALSH, WELLS, WILLIAMS.

Sources: 11, 13, 15, 16, 19, 2, 25, 26, 27, 28, 29, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, *18*, *1*, *3*.

Photographed in VIII.



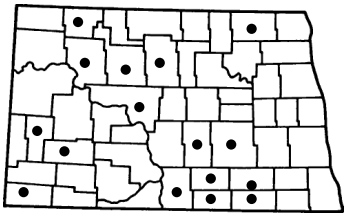
25 (1382). *Ranunculus flammula* L., greater creeping spearwort



Distribution. BURKE, WILLIAMS.

Sources: 16, 29, 34, 35, 39, 41, 42, 43, 45, 47, 5.

26 (1383). *Ranunculus glaberrimus* Hook., sagebrush buttercup



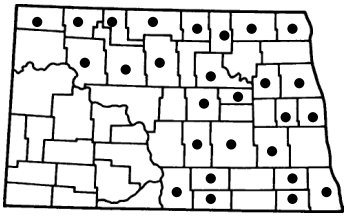
Distribution. BILLINGS, BOWMAN, BURKE, CAVALIER, DICKEY, EMMONS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, STARK, STUTSMAN, WARD.

Sources: 1, 13, 2, 24, 27, 29, 3, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, *32*.

Photographed in VI–X.

27 (1384). *Ranunculus gmelinii* DC., Gmelin's buttercup

Ranunculus limosus, Ranunculus purshii

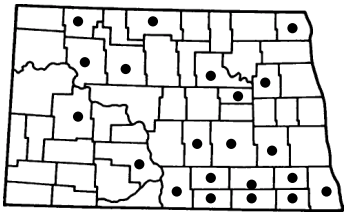


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CAVALIER, DIVIDE, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MOUNTRAIL, NELSON, PEMBINA, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS.

Sources: 1, 15, 16, 18, 19, 26, 29, 3, 31, 39, 4, 41, 42, 43, 45, 47, 5, 8, *11*, *13*, *25*, *27*, *28*, *45*, *6*, *7*.

Photographed in VIII.

28 (1385). *Ranunculus hispidus* Michx., bristly buttercup

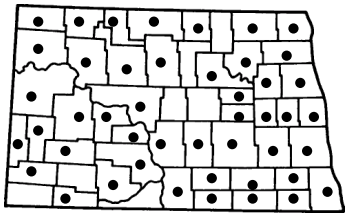


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, DICKEY, DUNN, EDDY, EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, MOUNTRAIL, NELSON, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, WARD.

Sources: 1, 16, 17, 19, 26, 29, 39, 4, 41, 42, 43, 45, 47, 5, 8, *11*, *15*, *18*, *1*, *25*, *26*, *27*, *28*, *2*, *31*, *3*, *45*, *6*, *7*, *9*.

Photographed in VII.

29 (1386). *Ranunculus macounii* Britton, Macoun's buttercup



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

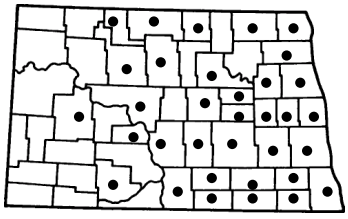
Sources: 1, 10, 11, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8.

Photographed in VI–VII.

? *Ranunculus pedatifidus* Sm., surefoot buttercup

Sources: 29.

30 (1387). *Ranunculus pensylvanicus* L. f., Pennsylvania buttercup

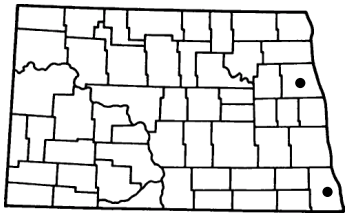


Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, NELSON, OLIVER, PEMBINA, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 11, 14, 15, 16, 18, 19, 2, 24, 26, 28, 29, 3, 30, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 8, 9, *17*, *25*, *27*, *31*, 7.

Photographed in VII–VIII.

31 (1388). *Ranunculus recurvatus* Poir., blisterwort

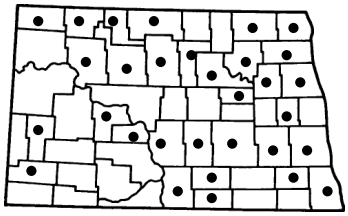


Distribution. GRAND FORKS, RICHLAND.

Sources: 1, 25, 26, 27, 29, 33, 34, 35, 39, 41, 43, 45, 47, 5, 7.

32 (1389). *Ranunculus rhomboideus* Goldie, Labrador buttercup

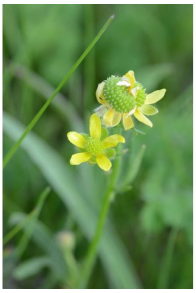
Ranunculus ovalis



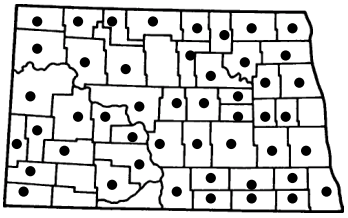
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SLOPE, STEELE, STUTSMAN, WALSH, WARD.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 21, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, 9, 7.

Photographed in V.



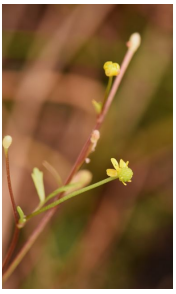
33 (1390). *Ranunculus sceleratus* L., cursed buttercup



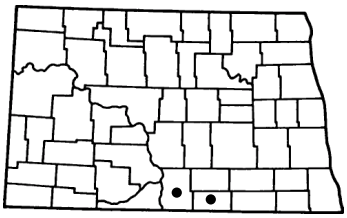
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 2, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*, *19*, *21*, *24*, *45*, *6*, *7*.

Photographed in VI–X.



34 (1391). *Ranunculus trichophyllus* Chaix, threadleaf crowfoot

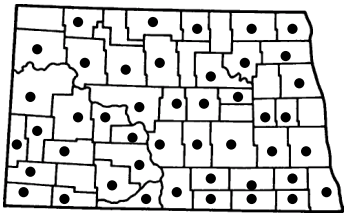


Distribution. EMMONS, MCINTOSH.

Sources: 29, 39, 43.

35 (1392). *Thalictrum dasycarpum* Fisch. & Ave-Lall., purple meadow-rue

Thalictrum hypoglaucum

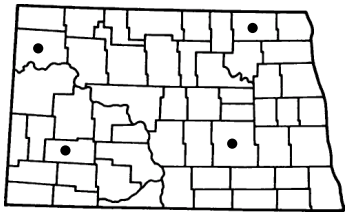


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *13*, *18*, *7*.

Photographed in VI–VIII.

36 (1393). *Thalictrum dioicum* L., early meadow-rue



Distribution. CAVALIER, STARK, STUTSMAN, WILLIAMS.

Sources: 1, 29, 39, 4, 41, 43, 45, 47, 5, 7.

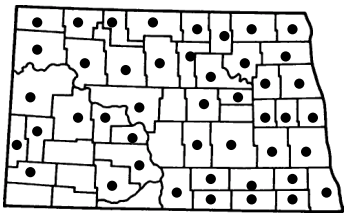
Photographed in VI.

? *Thalictrum occidentale* A. Gray, western meadow-rue ☐

Sources: 3, 41, 47.

37 (1394). *Thalictrum venulosum* Trel., veiny meadow-rue ☐

Thalictrum turneri



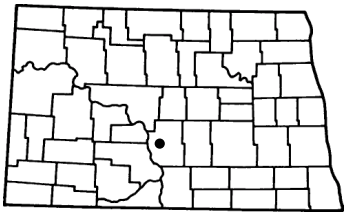
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *45*, *7*.

Photographed in V–VII.

99. Resedaceae, Mignonette family

1 (1395). *Reseda odorata* L., garden mignonette



Distribution. BURLEIGH. Introduced.

Sources: 18, 5.

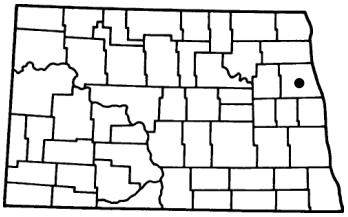
100. Rhamnaceae, Buckthorn family

? *Ceanothus herbaceus* Raf., Jersey tea

Ceanothus ovatus, Ceanothus pubescens

Sources: 29, 47.

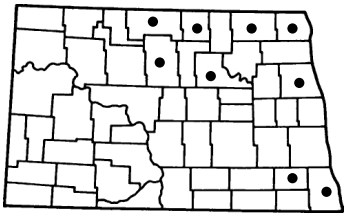
1 (1396). *Frangula alnus* Mill., glossy buckthorn



Distribution. GRAND FORKS. Introduced.

Sources: 7.

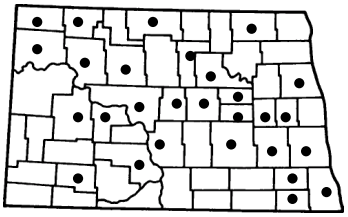
2 (1397). *Rhamnus alnifolia* L'Her., alderleaf buckthorn



Distribution. BENSON, BOTTINEAU, CAVALIER, GRAND FORKS, MCHENRY, PEMBINA, RANSOM, RICHLAND, ROLETTE.

Sources: 1, 26, 27, 28, 29, 3, 39, 41, 43, 45, 47, 5, 7, *25*, *30*.

3 (1398). *Rhamnus cathartica* L., common buckthorn

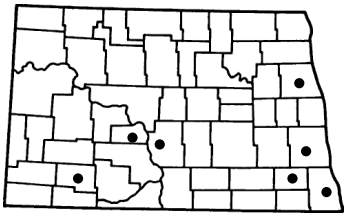


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, DUNN, EDDY, FOSTER, GRAND FORKS, GRIGGS, HETTINGER, MCLEAN, MERCER, MORTON, MOUNTRAIL, PIERCE, RANSOM, RICHLAND, SARGENT, SHERIDAN, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS. Introduced.

Sources: 17, 19, 27, 28, 29, 39, 4, 40, 42, 43, 44, 45, 47, 5, 6, 8, *11*, *13*, *1*, *25*, *26*, *6*, *7*.

Photographed in VI–IX.

4 (1399). *Rhamnus davurica* Pall., Dahurian buckthorn



Distribution. BURLEIGH, CASS, GRAND FORKS, HETTINGER, OLIVER, RANSOM, RICHLAND. Introduced.

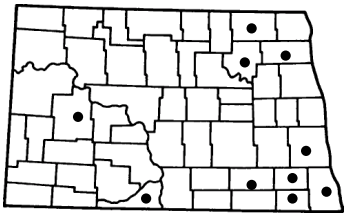
Sources: 25, 26, 29, 39, 43, 47, 5.

101. Rosaceae, Rose family

? *Agrimonia eupatoria* L., churchsteeples

Sources: 7.

1 (1400). *Agrimonia gryposepala* Wallr., tall hairy agrimony



Distribution. CASS, CAVALIER, DUNN, LAMOURE, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, WALSH.

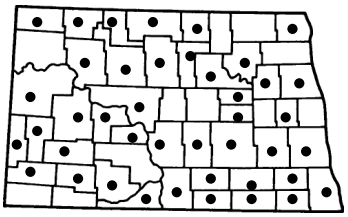
Sources: 1, 24, 25, 26, 29, 34, 35, 39, 4, 41, 43, 45, 47, 5, 7.

Photographed in VII.

† *Agrimonia parviflora* Aiton, harvestlice

Sources: 41, 47.

2 (1401). *Agrimonia striata* Michx., roadside agrimony

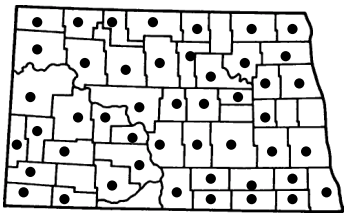


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD.

Sources: 1, 11, 13, 17, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *2*.

Photographed in VI–VIII.

3 (1402). *Amelanchier alnifolia* (Nutt.) Nutt. ex M. Roem., Saskatoon serviceberry ☐



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 44, 45, 6, 7, 8, 9, *17*, *31*, *45*, *5*, *7*.

Photographed in VI–VII.

? *Amelanchier arborea* (Michx. f.) Fernald, common serviceberry ☐

Sources: *3*.

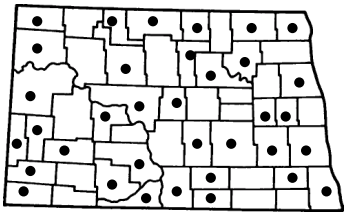
? *Amelanchier bartramiana* (Tausch) M. Roem., oblongfruit serviceberry ☐

Amelanchier oligocarpa

Sources: 7.

4 (1403). *Amelanchier humilis* Wiegand, low serviceberry ☐

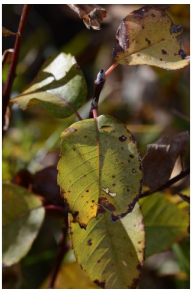
Amelanchier mucronata



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, CASS, CAVALIER, DIVIDE, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

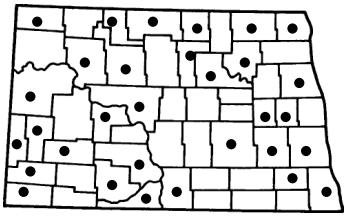
Sources: 24, 25, 26, 29, 30, 31, 32, 39, 4, 41, 43, 5.

Photographed in VII–X.



5 (1404). *Amelanchier sanguinea* (Pursh) DC., roundleaf serviceberry

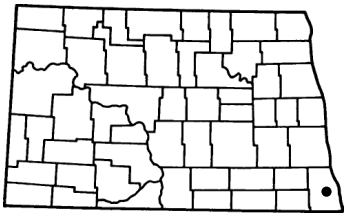
Amelanchier spicata



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, CASS, CAVALIER, DIVIDE, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD.

Sources: 1, 29.

6 (1405). *Amelanchier stolonifera* Wiegand, running serviceberry

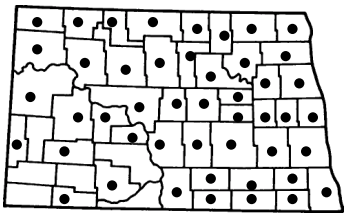


Distribution. RICHLAND.

Sources: 29, 45, *39*.

7 (1406). *Argentina anserina* (L.) Rydb., silverweed cinquefoil

Argentina argentea, Potentilla anserina, Potentilla yukonensis

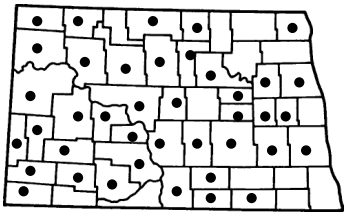


Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 29, 4, 42, 43, 47, 7, *10*, *11*, *13*, *15*, *16*, *17*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *2*, *30*, *31*, *32*, *39*, *3*, *41*, *44*, *45*, *5*, *6*, *7*, *8*, *9*.

Photographed in VI–X.

8 (1407). *Chamaerhodos erecta* (L.) Bunge, little rose



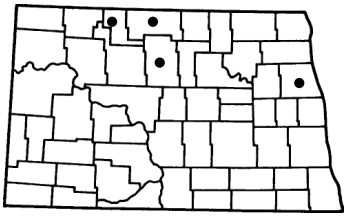
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, ROLETTE, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 19, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *18*, *5*.

Photographed in VI.

9 (1408). *Comarum palustre* L., purple marshlocks

Potentilla palustris



Distribution. BOTTINEAU, GRAND FORKS, MCHENRY, RENVILLE.

Sources: 29, 34, 39, 4, 43, 47, *15*, *16*, *35*, *41*, *5*, *6*, *7*.

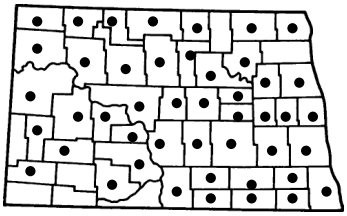
Photographed in VII.

* *Cotoneaster lucidus* Schltdl., Hedge cotoneaster

Sources: 38, 4.

Photographed in VIII.

10 (1409). *Crataegus chrysocarpa* Ashe, fireberry hawthorn



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 14, 28, 29, 3, 31, 39, 4, 41, 42, 43, 45, 5, 6, 7, *10*, *13*, *19*, *21*, *24*, *25*, *26*, *27*, *2*, *30*, *32*, *44*, *45*, *7*, *8*.

Photographed in V–IX.

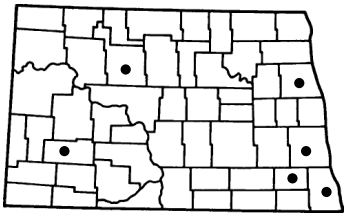
† *Crataegus douglasii* Lindl., black hawthorn ☐

Crataegus columbiana

Sources: 29, 39.

11 (1410). *Crataegus mollis* Scheele, downy hawthorn ☐

Crataegus albicans, Crataegus arkansana, Crataegus brachyphylla, Crataegus cibaria, Crataegus gravida, Crataegus induta, Crataegus invisa, Crataegus lacera, Crataegus limaria, Crataegus noelensis, Crataegus placens



Distribution. CASS, GRAND FORKS, RANSOM, RICHLAND, STARK, WARD.

Sources: 1, 27, 29, 34, 39, 4, 41, 43, 45, 5, 7, *18*.

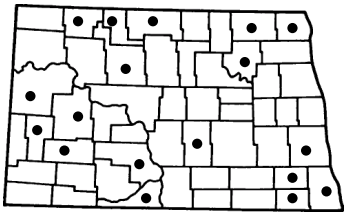
? *Crataegus pruinosa* (Wendl. f.) K. Koch, waxyfruit hawthorn ☐

Crataegus aspera, Crataegus cognata, Crataegus congesta, Crataegus deltoides, Crataegus gattingeri, Crataegus gaudens, Crataegus georgiana, Crataegus lecta, Crataegus leiophylla, Crataegus littoralis, Crataegus mackenziei, Crataegus parvula, Crataegus platycarpa, Crataegus porteri, Crataegus rugosa, Crataegus vicinalis, Crataegus virella

Sources: 7.

12 (1411). *Crataegus succulenta* Schrad. ex Link, fleshy hawthorn ☐

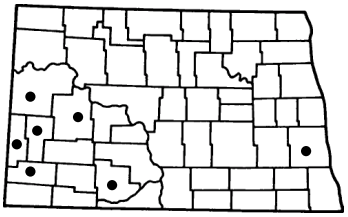
Crataegus ambrosia, Crataegus ardula, Crataegus bicknellii, Crataegus celsa, Crataegus divida, Crataegus gemmosa, Crataegus incerta, Crataegus integriloba, Crataegus leucantha, Crataegus macracantha, Crataegus mortonis, Crataegus pertomentosa, Crataegus saeva, Crataegus shirleyensis, Crataegus silvestris, Crataegus sylvestris, Crataegus venulosa, Crataegus virilis



Distribution. BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DUNN, KIDDER, MCKENZIE, MORTON, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, STARK, WARD.

Sources: 1, 17, 24, 26, 29, 3, 31, 39, 4, 43, 48, 5, *18*, *41*, *43*, *45*, *7*.

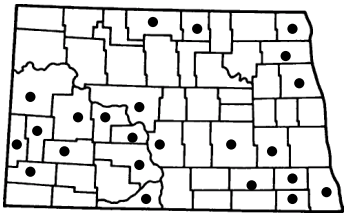
13 (1412). *Dasiphora fruticosa* (L.) Rydb., shrubby cinquefoil



Distribution. BILLINGS, CASS, DUNN, GOLDEN VALLEY, GRANT, MCKENZIE, SLOPE.

Sources: 29, 39, 4, 43, 45, 47, 5, *18*, *1*, *24*, *27*, *32*, *3*, *41*, *43*, *45*, *6*, *7*.

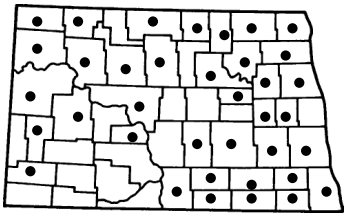
14 (1413). *Fragaria vesca* L., woodland strawberry



Distribution. BARNES, BILLINGS, BOTTINEAU, BURLEIGH, DUNN, GOLDEN VALLEY, GRAND FORKS, LAMOURE, MCKENZIE, MCLEAN, MERCER, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, WALSH.

Sources: 1, 11, 24, 25, 26, 27, 28, 29, 30, 32, 39, 41, 42, 43, 47, 5, 7, *18*.

15 (1414). *Fragaria virginiana* Duchesne, Virginia strawberry



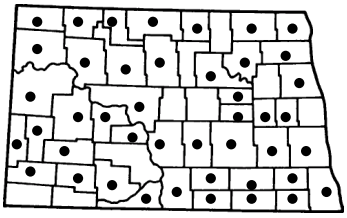
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, 9, *18*, *44*, *7*.

Photographed in VI.

16 (1415). *Geum aleppicum* Jacq., yellow avens

Geum strictum

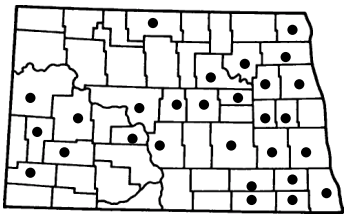


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 17, 19, 2, 24, 25, 26, 28, 29, 30, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *27*, *7*.

Photographed in VI–VII.

17 (1416). *Geum canadense* Jacq., white avens

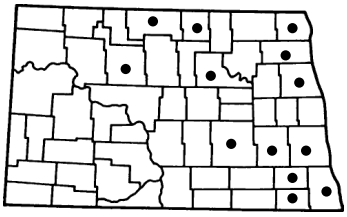


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, DICKEY, DUNN, EDDY, GRAND FORKS, GRIGGS, LAMOURE, MCKENZIE, MCLEAN, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WELLS.

Sources: 1, 11, 14, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8.

Photographed in VII.

18 (1417). *Geum macrophyllum* Willd., largeleaf avens

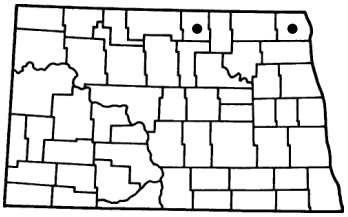


Distribution. BARNES, BENSON, BOTTINEAU, CASS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WALSH, WARD.

Sources: 1, 11, 18, 26, 27, 28, 29, 3, 34, 39, 4, 41, 43, 47, 5, 6, 7.

Photographed in VII.

19 (1418). *Geum rivale* L., purple avens

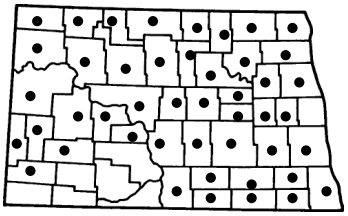


Distribution. PEMBINA, ROLETTE.

Sources: 16, 29, 30, 33, 35, 39, 4, 41, 42, 43, 47, 5, 7.

Photographed in VIII.

20 (1419). *Geum triflorum* Pursh, old man's whiskers



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *13*, *18*, *3*, *45*, *7*.

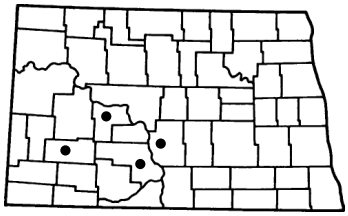
Photographed in V–VI.

? *Malus ioensis* (Alph. Wood) Britton, prairie crab apple ☐

Sources: 38, 45.

21 (1420). *Malus pumila* Mill., paradise apple ☐

Malus communis, Malus domestica, Malus praecox, Malus sylvestris, Pyrus pumila



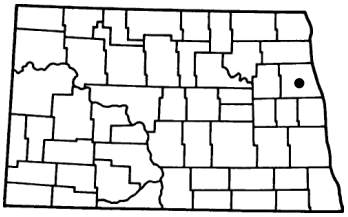
Distribution. BURLEIGH, MERCER, MORTON, STARK. Introduced.

Sources: 4, 45.

Photographed in VI.

22 (1421). *Malus sylvestris* (L.) Mill., European crab apple

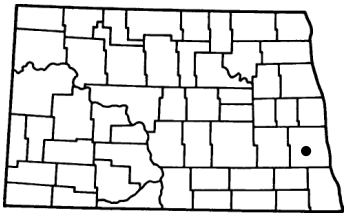
Malus malus, Pyrus malus



Distribution. GRAND FORKS. Introduced.

Sources: 7.

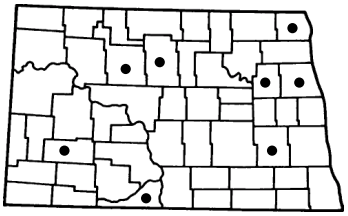
23 (1422). *Physocarpus opulifolius* (L.) Maxim., common ninebark



Distribution. CASS.

Sources: 1, 29, 39, 41, 43, 47, 5.

24 (1423). *Potentilla argentea* L., silver cinquefoil

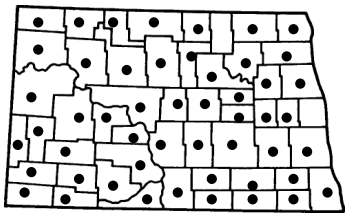


Distribution. BARNES, GRAND FORKS, MCHENRY, NELSON, PEMBINA, SIOUX, STARK, WARD. Introduced.

Sources: 1, 24, 27, 29, 3, 39, 4, 41, 43, 47, 6, 7.

Photographed in VII.

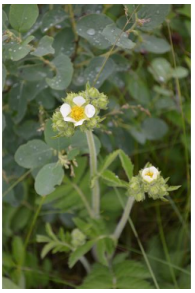
25 (1424). *Potentilla arguta* Pursh, tall cinquefoil



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *13*, *18*, *39*, *3*, *43*, *45*, *9*.

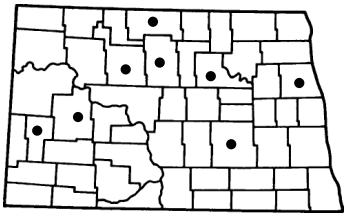
Photographed in VI–VIII.



† *Potentilla biennis* Greene, biennial cinquefoil

Sources: 47.

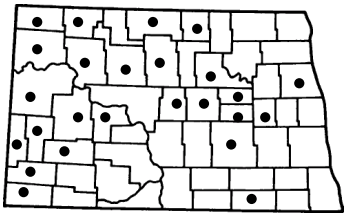
26 (1425). *Potentilla bipinnatifida* Douglas ex Hook., tansy cinquefoil



Distribution. BENSON, BILLINGS, BOTTINEAU, DUNN, GRAND FORKS, MCHENRY, STUTSMAN, WARD.

Sources: 17, 24, 28, 29, 3, 39, 41, 43, 45, 47, 5, 7, *24*, *41*, *45*, *47*.

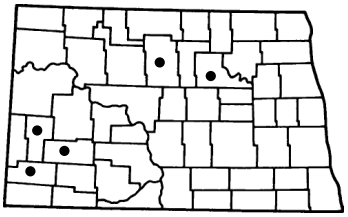
27 (1426). *Potentilla concinna* Richardson, elegant cinquefoil



Distribution. BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DICKEY, DIVIDE, DUNN, EDDY, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, MCHENRY, MCKENZIE, MERCER, MOUNTRAIL, ROLETTE, SHERIDAN, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 17, 19, 27, 28, 29, 3, 32, 39, 4, 41, 43, 45, 47, 6, 7, 8, *18*, *24*, *5*.

28 (1427). *Potentilla diversifolia* Lehm., varileaf cinquefoil

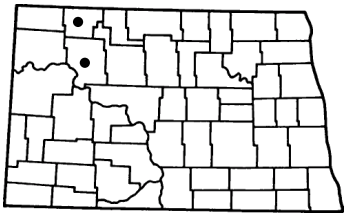


Distribution. BENSON, BILLINGS, MCHENRY, SLOPE, STARK.

Sources: 24, 27, 29, 32, 33, 34, 35, 4, 41, 43, 5, *39*.

Photographed in VIII.

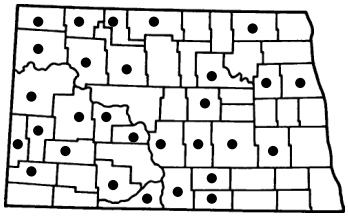
29 (1428). *Potentilla effusa* Douglas ex Lehm., branched cinquefoil



Distribution. BURKE, MOUNTRAIL.

Sources: 13, 18, 3, 39, 47, 5.

30 (1429). *Potentilla gracilis* Douglas ex Hook., slender cinquefoil

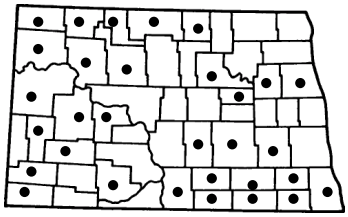


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CAVALIER, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, NELSON, OLIVER, RENVILLE, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 13, 17, 18, 19, 24, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, *11*, *13*, *18*, *27*, *3*, *5*, *7*.

Photographed in VII.

31 (1430). *Potentilla hippiana* Lehm., woolly cinquefoil



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, NELSON, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

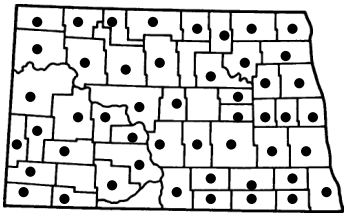
Sources: 1, 11, 2, 24, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *13*, *17*, *18*, *26*, *27*, *7*.

Photographed in VIII.

? *Potentilla multisecta* (S. Watson) Rydb., featherleaf cinquefoil

Sources: 3.

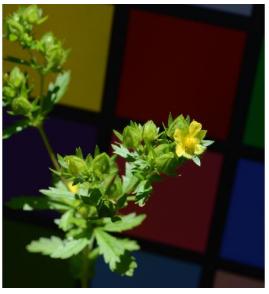
32 (1431). *Potentilla norvegica* L., Norwegian cinquefoil



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WILLIAMS.

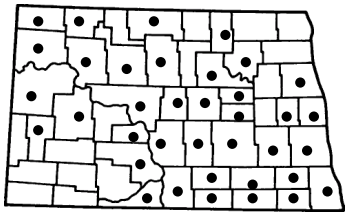
Sources: 1, 10, 11, 13, 14, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *15*, *18*, *3*, *7*.

Photographed in VII–X.



33 (1432). *Potentilla paradoxa* Nutt., Paradox cinquefoil

Potentilla nicolletii

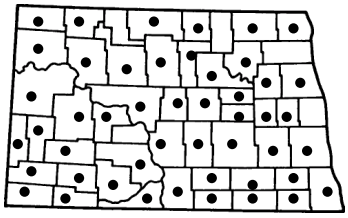


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 31, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *18*, *27*, *39*, *3*, *43*, *45*, *47*, *7*.

Photographed in VI–VII.

34 (1433). *Potentilla pensylvanica* L., Pennsylvania cinquefoil

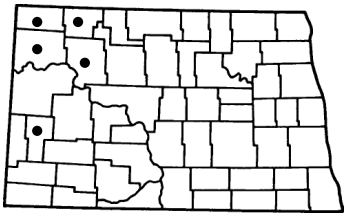


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 19, 21, 24, 26, 28, 29, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *17*, *18*, *25*, *27*, *2*, *32*, *45*, *5*, *7*.

Photographed in VI–VIII.

35 (1434). *Potentilla plattensis* Nutt., Platte River cinquefoil

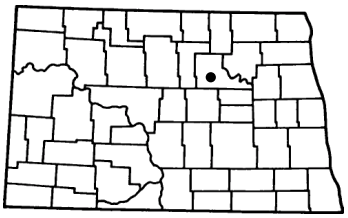


Distribution. BILLINGS, BURKE, DIVIDE, MOUNTRAIL, WILLIAMS.

Sources: 13, 27, 29, 39, 4, 41, 43, 47, 5.

36 (1435). *Potentilla pulcherrima* Lehm., beautiful cinquefoil

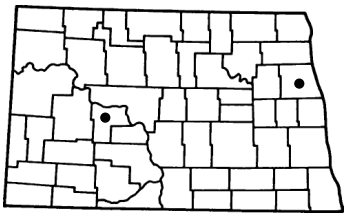
Potentilla camporum



Distribution. BENSON.

Sources: 3, 43, 45, 47, 7, *45*.

37 (1436). *Potentilla recta* L., sulphur cinquefoil

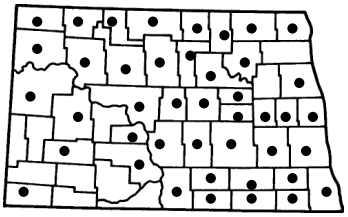


Distribution. GRAND FORKS, MERCER. Introduced.

Sources: 29, 39, 42, 47.

38 (1437). *Potentilla rivalis* Nutt., brook cinquefoil

Potentilla leucocarpa, Potentilla millegrana, Potentilla pentandra

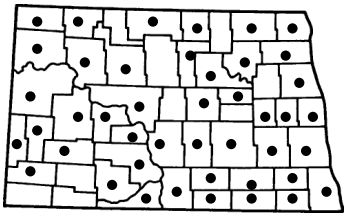


Distribution. BARNES, BENSON, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 11, 13, 15, 16, 19, 2, 21, 24, 25, 26, 27, 29, 30, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *17*, *18*, *1*, *27*, *28*, *3*, *7*.

Photographed in VII–X.

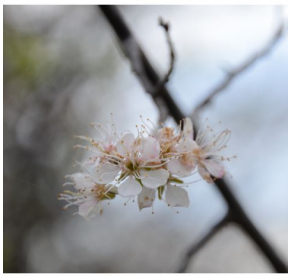
39 (1438). *Prunus americana* Marsh., American plum



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *32*, *6*.

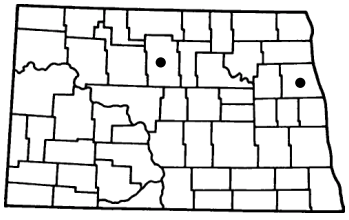
Photographed in V–VIII.



? *Prunus fruticosa* Pall., European dwarf cherry ☐

Sources: 38, 45.

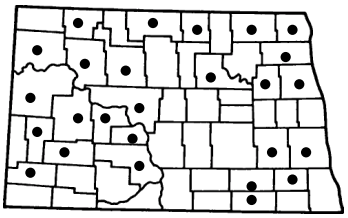
40 (1439). *Prunus nigra* Aiton, Canadian plum ☐



Distribution. GRAND FORKS, MCHENRY.

Sources: 18, 47, 6, 7.

41 (1440). *Prunus pensylvanica* L. f., pin cherry

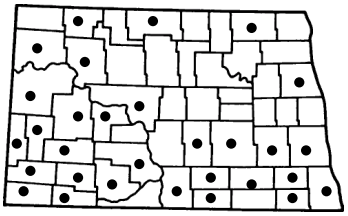


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DUNN, GRAND FORKS, LAMOURE, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RANSOM, ROLETTE, SLOPE, STARK, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 18, 2, 24, 26, 28, 29, 3, 30, 39, 4, 41, 42, 43, 44, 45, 47, 5, *25*, *27*, *7*.

Photographed in VIII.

42 (1441). *Prunus pumila* L., sandcherry

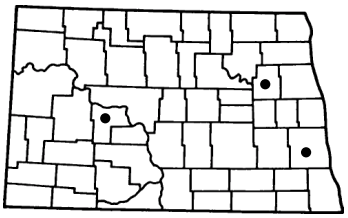


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, RANSOM, RICHLAND, SARGENT, SLOPE, STARK, STUTSMAN, WILLIAMS.

Sources: 13, 24, 25, 26, 27, 28, 29, 3, 32, 39, 4, 41, 42, 43, 45, 47, 5, 7, *11*, *18*, *1*, *31*, *32*, *6*, *7*.

Photographed in VI.

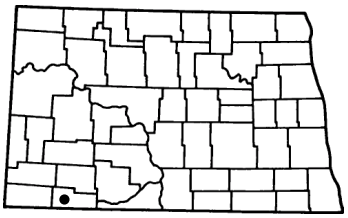
43 (1442). *Prunus serotina* Ehrh., black cherry



Distribution. CASS, MERCER, NELSON.

Sources: 1, 29, 39, 41, 43, 45.

44 (1443). *Prunus tenella* Batsch, dwarf Russian almond

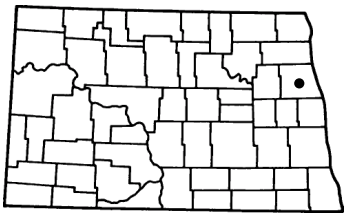


Distribution. ADAMS. Introduced.

Sources: 20, 4.

45 (1444). *Prunus tomentosa* Thunb., Nanking cherry

Cerasus tomentosa



Distribution. GRAND FORKS. Introduced.

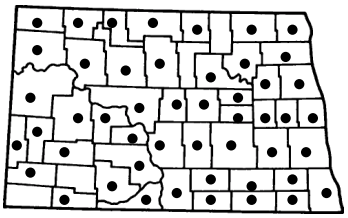
Sources: 7.

? *Prunus triloba* Lindl., flowering plum

Louiseania triloba

Sources: 17, 38, 7.

46 (1445). *Prunus virginiana* L., chokecherry

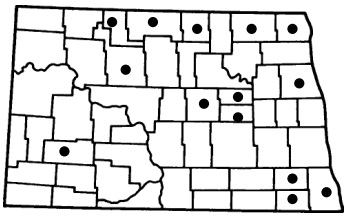


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 14, 17, 19, 2, 21, 24, 25, 26, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *13*, *18*, *27*, *43*, *7*.

Photographed in V–VIII.

47 (1446). *Rosa acicularis* Lindl., prickly rose

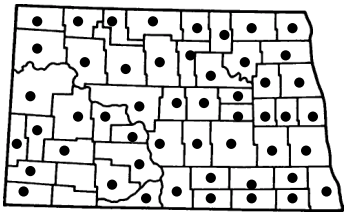


Distribution. BOTTINEAU, CAVALIER, EDDY, FOSTER, GRAND FORKS, PEMBINA, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STARK, WARD, WELLS.

Sources: 1, 18, 19, 26, 27, 28, 29, 3, 39, 4, 41, 42, 43, 45, 47, 7, 8, *45*.

Photographed in VI–VIII.

48 (1447). *Rosa arkansana* Porter, prairie rose

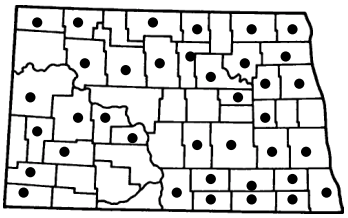


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *32*, *43*, *45*, *7*.

Photographed in VI–IX.

49 (1448). *Rosa blanda* Aiton, smooth rose



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, STUTSMAN, WALSH, WARD.

Sources: 1, 10, 11, 14, 17, 19, 2, 24, 25, 26, 27, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 47, 5, 7, 8.

Photographed in VII.

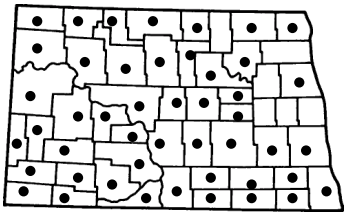
? *Rosa carolina* L., Carolina rose

Sources: 7.

? *Rosa centifolia* L., cabbage rose

Sources: 38, 7.

50 (1449). *Rosa woodsii* Lindl., Woods' rose

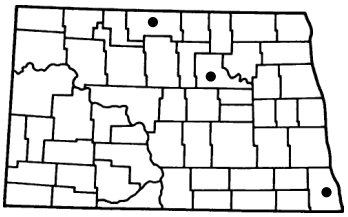


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *2*, *45*.

Photographed in VII–X.

51 (1450). *Rosa* ×*dulcissima* Lunell, hybrid rose



Distribution. BENSON, BOTTINEAU, RICHLAND.

Sources: *25*, *28*, *29*, *39*, *43*, *45*.

? *Rubus argutus* Link, sawtooth blackberry

Rubus louisianus, Rubus penetrans, Rubus rhodophyllus

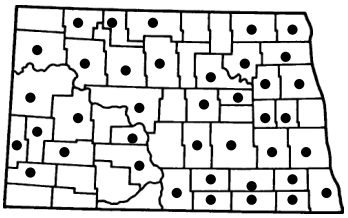
Sources: *7*.

? *Rubus canadensis* L., smooth blackberry

Rubus besseyi, Rubus illustris, Rubus irregularis, Rubus laetabilis, Rubus millspaughii, Rubus randii

Sources: *7*.

52 (1451). *Rubus idaeus* L., American red raspberry

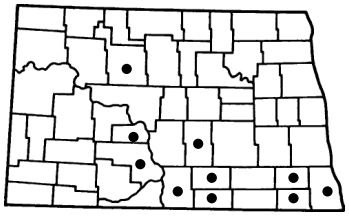


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *30*, *3*, *43*, *45*, *7*.

Photographed in VI–IX.

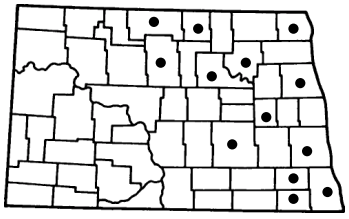
53 (1452). *Rubus occidentalis* L., black raspberry



Distribution. EMMONS, KIDDER, LOGAN, MCINTOSH, MORTON, OLIVER, RANSOM, RICHLAND, SARGENT, WARD.

Sources: 1, 17, 25, 26, 27, 29, 31, 39, 41, 43, 47, 5, 7.

54 (1453). *Rubus pubescens* Raf., dwarf red blackberry



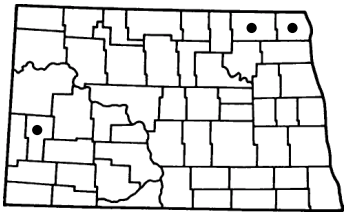
Distribution. BENSON, BOTTINEAU, CASS, GRAND FORKS, GRIGGS, MCHENRY, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN.

Sources: 1, 14, 21, 25, 26, 27, 29, 30, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 7.

Photographed in VII.

55 (1454). *Sibbaldiopsis tridentata* (Aiton) Rydb., shrubby fivefingers ☐

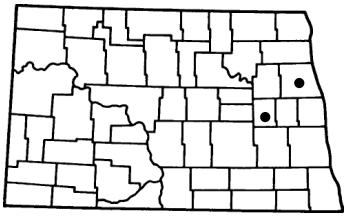
Potentilla tridentata



Distribution. BILLINGS, CAVALIER, PEMBINA.

Sources: 29, 34, 41, 43, 47, 5, *27*, *33*, *35*, *39*, *5*, *7*.

56 (1455). *Sorbaria sorbifolia* (L.) A. Braun, false spiraea ☐



Distribution. GRAND FORKS, GRIGGS. Introduced.

Sources: 4, 7.

Photographed in X.

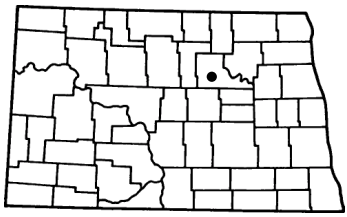
* *Sorbus americana* Marsh., American mountain ash ☐

Pyrus americana, Pyrus microcarpa

Sources: 38, 7, *7*.

57 (1456). *Sorbus aucuparia* L., European mountain ash ☐

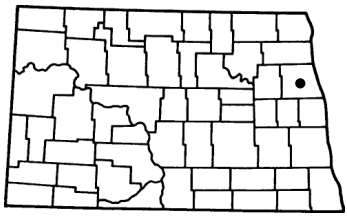
Pyrus aucuparia



Distribution. BENSON. Introduced.

Sources: 29, 39, 40, 47.

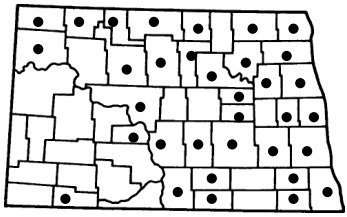
58 (1457). *Sorbus scopulina* Greene, Greene's mountain ash ☐



Distribution. GRAND FORKS.

Sources: 29, 39, 7.

59 (1458). *Spiraea alba* Du Roi, white meadowsweet ☐



Distribution. ADAMS, BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 16, 18, 19, 21, 25, 26, 28, 29, 30, 31, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *17*, *18*, *27*, *44*, *7*.

Photographed in VI–X.

? *Spiraea corymbosa* Raf., shinyleaf meadowsweet ☐

Sources: *29*, *39*, *47*.

? *Spiraea nipponica* Maxim., Nippon spirea ☐

Sources: 38, *7*.

? *Spiraea salicifolia* L., willowleaf meadowsweet ☐

Sources: 3, 38, 45, 7.

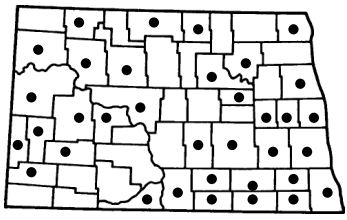
? *Spiraea* ×*vanhouttei* (Briot) Carriere, Vanhoutte spirea ☐

Sources: 38, *18*, *7*.

102. Rubiaceae, Madder family

1 (1459). *Galium aparine* L., stickywilly ☐

Galium spurium, Galium vaillantii



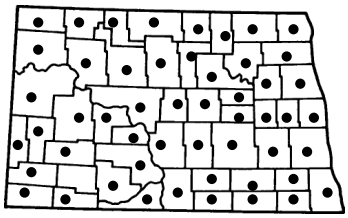
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WARD, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7, 8.

Photographed in VI–VII.

2 (1460). *Galium boreale* L., northern bedstraw

Galium septentrionale, Galium strictum



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

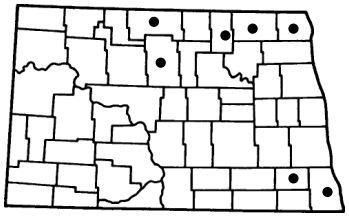
Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9.

Photographed in VI–X.

† *Galium brevipes* Fernald & Wiegand, limestone swamp bedstraw ☐

Sources: 29, 34, 39, 41.

3 (1461). *Galium labradoricum* (Wiegand) Wiegand, northern bog bedstraw ☐

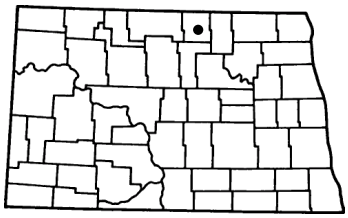


Distribution. BOTTINEAU, CAVALIER, MCHENRY, PEMBINA, RANSOM, RICHLAND, TOWNER.

Sources: 15, 25, 26, 29, 33, 34, 35, 39, 4, 41, 43, 45, 5, 6, 7.

Photographed in VII.

4 (1462). *Galium obtusum* Bigelow, bluntleaf bedstraw ☐

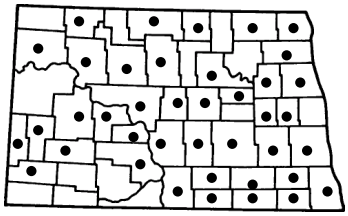


Distribution. ROLETTE.

Sources: 4.

Photographed in VIII.

5 (1463). *Galium trifidum* L., threepetal bedstraw ☐

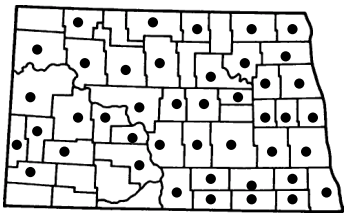


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 2, 25, 26, 27, 28, 29, 31, 39, 4, 41, 43, 45, 5, 6, 7, 8, 9.

Photographed in VII–VIII.

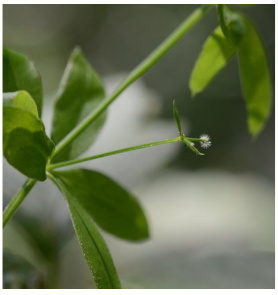
6 (1464). *Galium triflorum* Michx., fragrant bedstraw



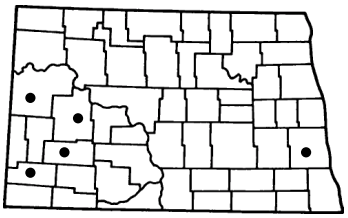
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 5, 7, 8, *28*.

Photographed in VII–VIII.



7 (1465). *Galium verum* L., Yellow Spring bedstraw

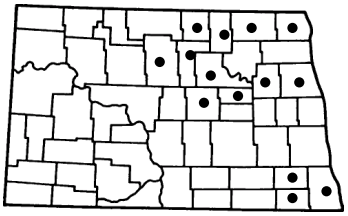


Distribution. CASS, DUNN, MCKENZIE, SLOPE, STARK. Introduced.

Sources: 1, 18, 24, 29, 3, 33, 39, 4, 40, 43, 5.

Photographed in VI.

8 (1466). *Houstonia longifolia* Gaertn., longleaf summer bluet



Distribution. BENSON, CAVALIER, EDDY, GRAND FORKS, MCHENRY, NELSON, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, TOWNER, WELLS.

Sources: 27, 29, 3, 39, 41, 43, *19*, *1*, *26*, *29*, *30*, *44*, *5*, *6*, *7*, *8*.

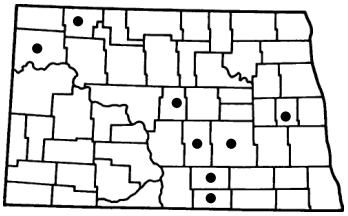
? *Houstonia purpurea* L., Venus' pride

Sources: *18*.

103. Ruppiaceae, Ditch-grass family

1 (1467). *Ruppia cirrhosa* (Petagna) Grande, spiral ditchgrass

Ruppia occidentalis, Ruppia spiralis

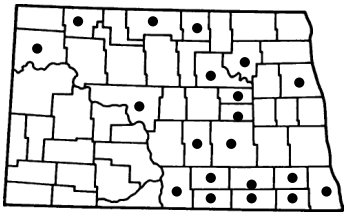


Distribution. BURKE, KIDDER, LOGAN, MCINTOSH, SHERIDAN, STEELE, STUTSMAN, WILLIAMS.

Sources: 29, 39, 4, 41, 47, 5.

2 (1468). *Ruppia maritima* L., widgeongrass

Ruppia pectinata, Russelia juncea

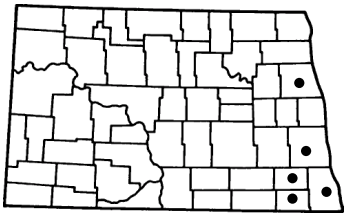


Distribution. BENSON, BOTTINEAU, BURKE, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, WILLIAMS.

Sources: 1, 11, 15, 16, 18, 19, 26, 27, 3, 31, 5, 6, 7, 8, *13*, *2*.

104. Rutaceae, Rue family

1 (1469). *Zanthoxylum americanum* Mill., common pricklyash



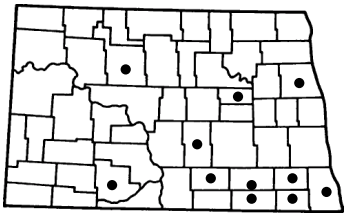
Distribution. CASS, GRAND FORKS, RANSOM, RICHLAND, SARGENT.

Sources: 1, 25, 26, 27, 29, 39, 41, 43, 6, 7, *7*.

105. Salicaceae, Willow family

1 (1470). *Populus alba* L., white poplar

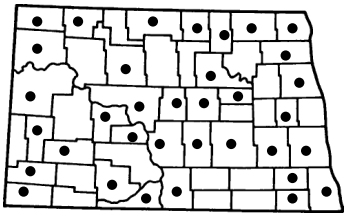
Populus sennii, Populus tweedyi



Distribution. DICKEY, EDDY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, RANSOM, RICHLAND, SARGENT, WARD. Introduced.

Sources: 1, 17, 19, 2, 25, 26, 29, 31, 39, 40, 43, 5, 7.

2 (1471). *Populus balsamifera* L., balsam poplar

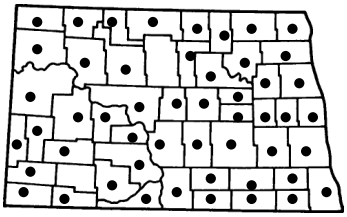


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRANT, KIDDER, MCKENZIE, MCLEAN, MERCER, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 19, 25, 26, 27, 29, 3, 30, 34, 35, 39, 4, 42, 43, 44, 47, 5, 6, 7, 8, *18*, *27*, *32*, *33*, *5*.

Photographed in VII.

3 (1472). *Populus deltoides* Bartram ex Marsh., eastern cottonwood



Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

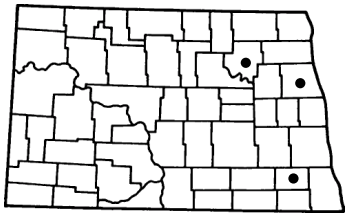
Sources: 1, 10, 12, 13, 14, 15, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *11*, *18*, *45*.

? *Populus grandidentata* Michx., bigtooth aspen

Sources: 29.

4 (1473). *Populus nigra* L., Lombardy poplar

Populus dilatata, Populus italica

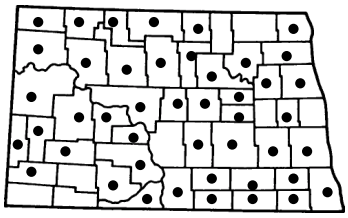


Distribution. GRAND FORKS, RAMSEY, RANSOM. Introduced.

Sources: 21, 29, 39, 7.

5 (1474). *Populus tremuloides* Michx., quaking aspen

Populus aurea, Populus cercidiphylla, Populus vancouveriana

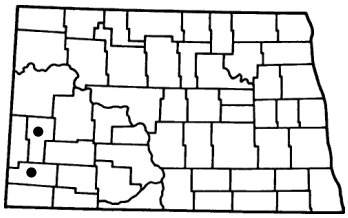


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *32*.

Photographed in VI.

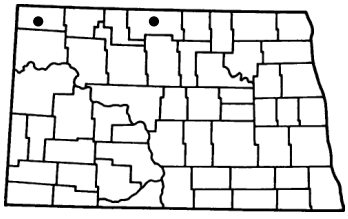
6 (1475). *Populus* ×*acuminata* Rydb., lanceleaf cottonwood



Distribution. BILLINGS, SLOPE.

Sources: 41, *1*, *29*, *32*, *33*, *35*, *39*, *43*, *5*, *7*.

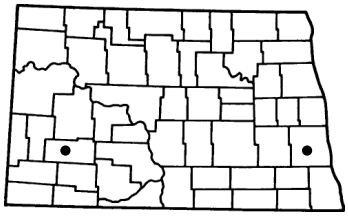
7 (1476). *Populus* ×*brayshawii* B. Boivin, hybrid balsam poplar



Distribution. BOTTINEAU, DIVIDE.

Sources: *39*.

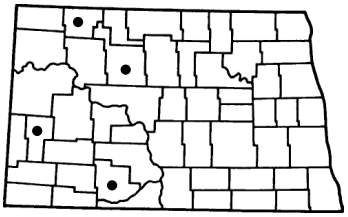
8 (1477). *Populus* ×*canadensis* Moench, Canadian poplar



Distribution. CASS, STARK.

Sources: *24*, *29*, *39*, *43*.

9 (1478). *Populus* ×*jackii* Sarg., balm-of-Gilead

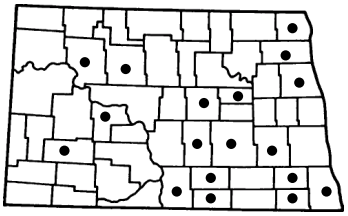


Distribution. BILLINGS, BURKE, GRANT, WARD.

Sources: 41, *29*, *39*, *5*.

10 (1479). *Salix alba* L., white willow

Salix vitellina

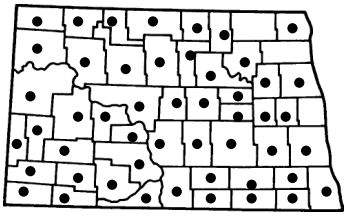


Distribution. BARNES, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MERCER, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, SARGENT, STARK, STUTSMAN, WALSH, WARD, WELLS. Introduced.

Sources: 1, 10, 11, 15, 16, 17, 18, 19, 24, 26, 29, 39, 4, 40, 41, 43, 5, 6, 8, *31*, *7*.

11 (1480). *Salix amygdaloides* Andersson, peachleaf willow

Salix wrightii



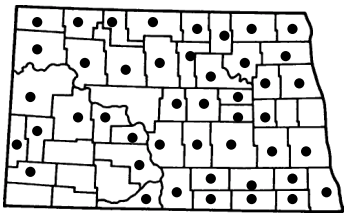
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *2*, *44*.

Photographed in VI–IX.

12 (1481). *Salix bebbiana* Sarg., Bebb willow

Salix perrostrata, Salix rostrata

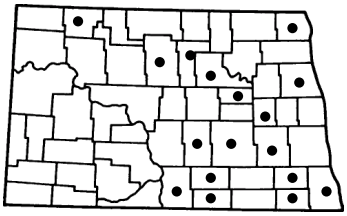


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *15*.

13 (1482). *Salix candida* Fluegge ex Willd., sageleaf willow

Salix candidula



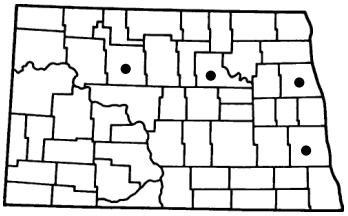
Distribution. BARNES, BENSON, BURKE, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 1, 15, 16, 18, 26, 27, 29, 3, 39, 4, 41, 43, 45, 47, 5, 6, 7, 8, *11*, *13*, *19*, *30*, *31*.

Photographed in VI–IX.

14 (1483). *Salix cordata* Michx., heartleaf willow

Salix adenophylla, Salix syrticola

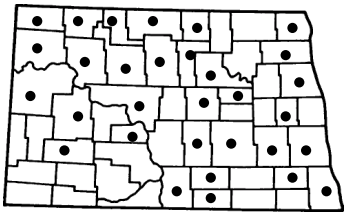


Distribution. BENSON, CASS, GRAND FORKS, WARD.

Sources: 14, 17, 27, 43, 45.

15 (1484). *Salix discolor* Muhl., pussy willow

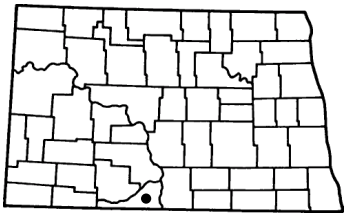
Salix crassa, Salix prinoides, Salix sensitiva, Salix squamata



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RANSOM, RENVILLE, RICHLAND, ROLETTE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 15, 16, 17, 18, 19, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8.

16 (1485). *Salix drummondiana* Barratt ex Hook., Drummond's willow

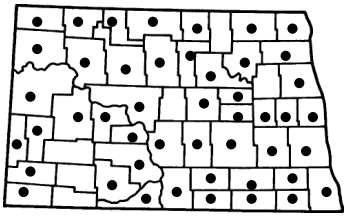


Distribution. SIOUX.

Sources: 48.

17 (1486). *Salix eriocephala* Michx., Missouri River willow

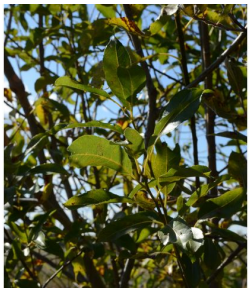
Salix acutidens, Salix angustata, Salix cordata, Salix missouriensis, Salix rigida, Salix torreyana



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

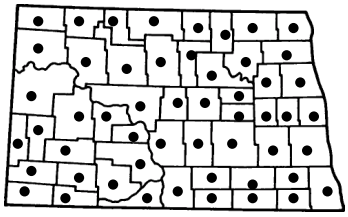
Sources: 16, 19, 2, 21, 26, 29, 39, 4, 41, 43, 44, 45, 47, 5, 8, *11*, *13*, *15*, *1*, *25*, *27*, *31*, *6*, *7*.

Photographed in VI–X.



18 (1487). *Salix exigua* Nutt., narrowleaf willow

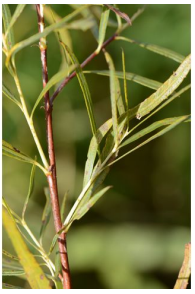
Salix argophylla, Salix hindsiana, Salix luteosericea, Salix malacophylla, Salix nevadensis, Salix parishiana, Salix stenophylla, Salix thurberi, Salix astatulana, Salix chapmanii



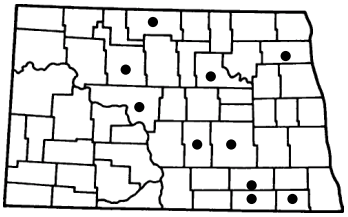
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 15, 16, 19, 2, 21, 24, 25, 26, 31, 32, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *30*.

Photographed in VI–X.



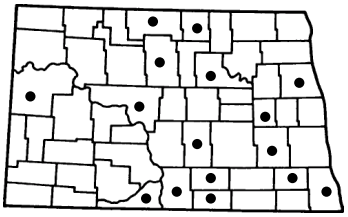
19 (1488). *Salix fragilis* L., crack willow



Distribution. BENSON, BOTTINEAU, DICKEY, KIDDER, LAMOURE, MCLEAN, SARGENT, STUTSMAN, WALSH, WARD. Introduced.

Sources: 15, 16, 2, 29, 31, 39, 4, 40, 45, 6.

20 (1489). *Salix humilis* Marsh., prairie willow



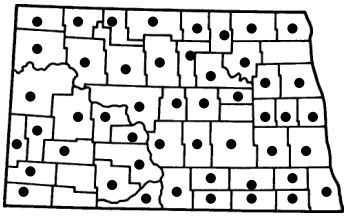
Distribution. BARNES, BENSON, BOTTINEAU, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, RANSOM, RICHLAND, ROLETTE, SIOUX.

Sources: 1, 11, 14, 15, 16, 18, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 43, 44, 45, 47, 6, *25*, *27*, *28*.

Photographed in IX–X.

21 (1490). *Salix interior* Rowlee, sandbar willow

Salix rubra, Salix wheeleri

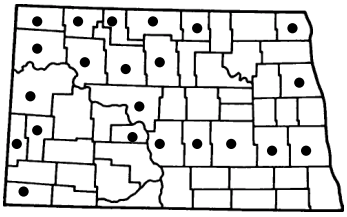


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 14, 18, 27, 28, 29, 3, 39, 4, 42, 43, 45, 47, 5, 7, 9, 7.

Photographed in VI.

22 (1491). *Salix lucida* Muhl., shining willow



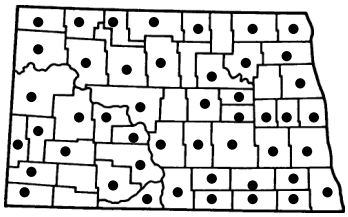
Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DIVIDE, GOLDEN VALLEY, GRAND FORKS, KIDDER, MCHENRY, MCKENZIE, MCLEAN, MOUNTRAIL, OLIVER, PEMBINA, RENVILLE, ROLETTE, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 15, 16, 18, 27, 28, 29, 31, 39, 4, 41, 43, 45, 47, 6, 7.

Photographed in VIII.

23 (1492). *Salix lutea* Nutt., yellow willow

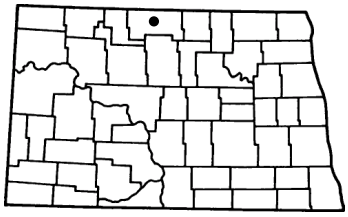
Salix ormsbyensis, Salix watsonii



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 10, 13, 16, 17, 19, 24, 26, 27, 28, 29, 30, 4, 43, 44, 45, 47, 5, 7, 8, *17*, *39*.

24 (1493). *Salix maccalliana* Rowlee, McCalla's willow

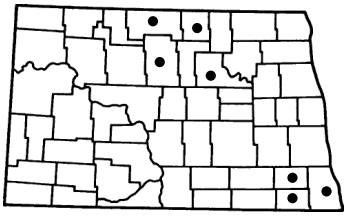


Distribution. BOTTINEAU.

Sources: 15, 29, 34, 35, 39, 41, 47.

25 (1494). *Salix pedicellaris* Pursh, bog willow

Salix hebecarpa

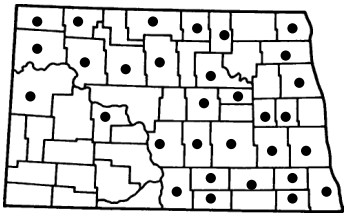


Distribution. BENSON, BOTTINEAU, MCHENRY, RANSOM, RICHLAND, ROLETTE, SARGENT.

Sources: 15, 16, 26, 29, 33, 34, 35, 39, 4, 41, 43, 47, 5, 6, 7.

Photographed in VII–IX.

26 (1495). *Salix pentandra* L., laurel willow

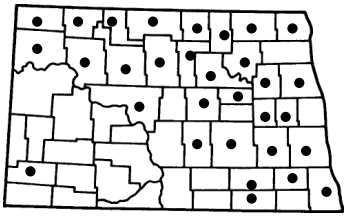


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MERCER, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 13, 15, 16, 17, 19, 24, 26, 27, 29, 3, 31, 39, 4, 40, 43, 5, 6, 7, 8.

27 (1496). *Salix petiolaris* Sm., meadow willow

Salix gracilis, Salix subsericea



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EDDY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, MCHENRY, MCLEAN, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SLOPE, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS.

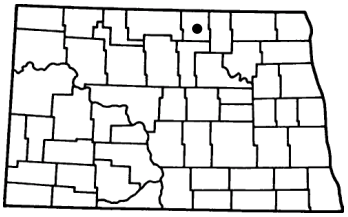
Sources: 1, 11, 13, 15, 16, 17, 18, 19, 2, 21, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8.

Photographed in VI–X.

? *Salix planifolia* Pursh, diamondleaf willow

Sources: 18.

28 (1497). *Salix scouleriana* Barratt ex Hook., Scouler's willow



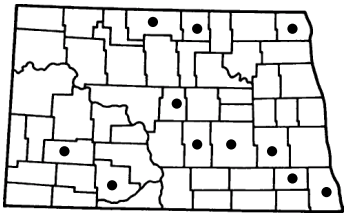
Distribution. ROLETTE.

Sources: 4, 41.

Photographed in VIII.

29 (1498). *Salix serissima* (L.H. Bailey) Fernald, autumn willow

Salix macrostachya



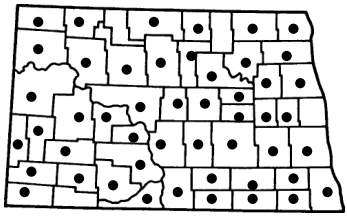
Distribution. BARNES, BOTTINEAU, GRANT, KIDDER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SHERIDAN, STARK, STUTSMAN.

Sources: 1, 15, 16, 27, 28, 29, 3, 30, 31, 39, 4, 41, 43, 47, 6, *25*, *26*.

Photographed in X.

106. Santalaceae, Sandalwood family

1 (1499). *Comandra umbellata* (L.) Nutt., bastard toadflax



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

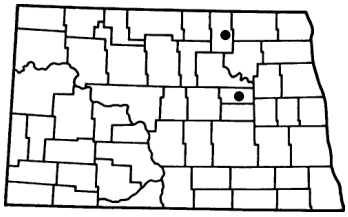
Sources: 1, 10, 11, 12, 14, 19, 21, 24, 26, 29, 31, 39, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *13*, *17*, *18*, *25*, *27*, *28*, *2*, *30*, *32*, *3*, *43*, *44*, *45*, *7*, *9*.

Photographed in V–VIII.

† *Thesium arvense* Horv., thesium

Sources: 29, 39.

2 (1500). *Thesium ramosum* Hayne, flaxleaf

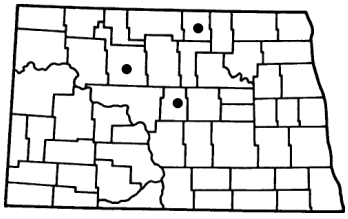


Distribution. EDDY, TOWNER.

Sources: *47*, *27*, *43*, *8*.

107. Sapindaceae, Soapberry family

1 (1501). *Acer ginnala* Maxim., Amur maple

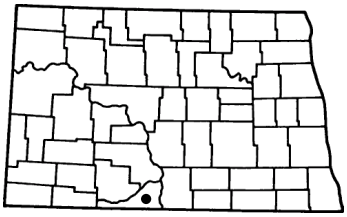


Distribution. ROLETTE, SHERIDAN, WARD. Introduced.

Sources: 17, 29, 4, 7.

Photographed in VI.

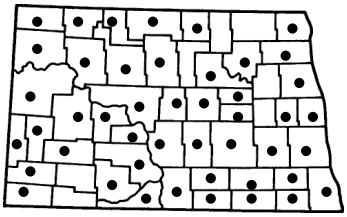
2 (1502). *Acer glabrum* Torr., Rocky Mountain maple



Distribution. SIOUX.

Sources: 48.

3 (1503). *Acer negundo* L., boxelder



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *18*.

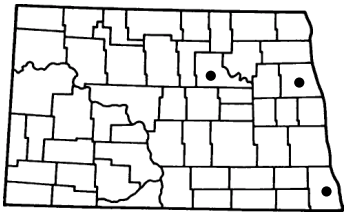
Photographed in VI–VIII.

? *Acer rubrum* L., red maple

Sources: 3, 38.

4 (1504). *Acer saccharinum* L., silver maple

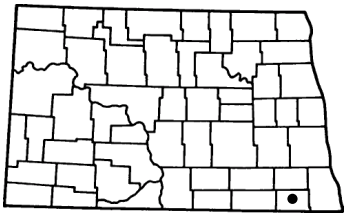
Acer dasycarpum, Argentacer saccharinum



Distribution. BENSON, GRAND FORKS, RICHLAND.

Sources: 18, 27, 29, 3, 41, 45, 7.

5 (1505). *Acer saccharum* Marsh., sugar maple



Distribution. SARGENT.

Sources: 25, 26, 27, 29, 34, 39, 43.

? *Aesculus flava* Sol., yellow buckeye

Sources: 38, 5.

? *Aesculus glabra* Willd., Ohio buckeye

Sources: 38, 5, 7.

Photographed in V.

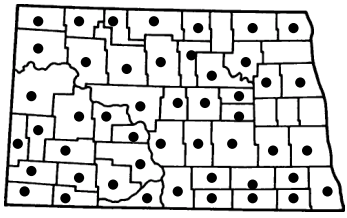
? *Aesculus hippocastanum* L., horse chestnut

Sources: 18, 38, 7.

108. Saxifragaceae, Saxifrage family

1 (1506). *Heuchera richardsonii* R. Br., Richardson's alumroot

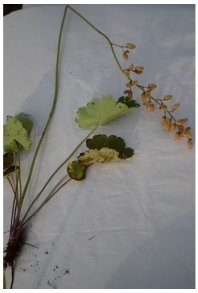
Heuchera hispida



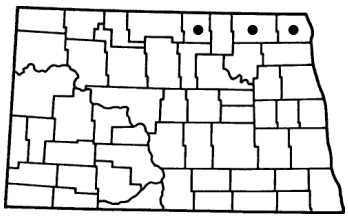
Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 19, 2, 24, 25, 26, 29, 30, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *18*, *21*, *27*, *28*, *31*, *3*, *7*.

Photographed in VI–VIII.



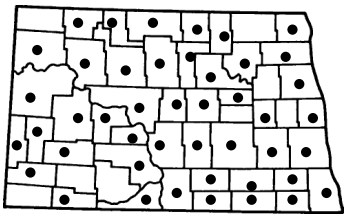
2 (1507). *Mitella nuda* L., naked miterwort



Distribution. CAVALIER, PEMBINA, ROLETTE.

Sources: 1, 15, 16, 27, 29, 3, 30, 33, 34, 35, 39, 41, 42, 43, 47, 5, 7, 7.

3 (1508). *Ribes americanum* Mill., American black currant

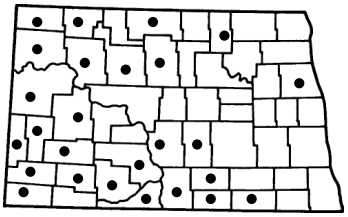


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 12, 13, 14, 16, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *11*, *17*, *18*, *32*, *7*.

Photographed in VI–X.

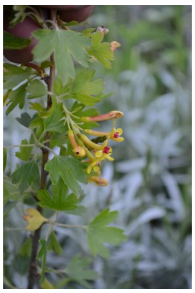
4 (1509). *Ribes aureum* Pursh, golden currant

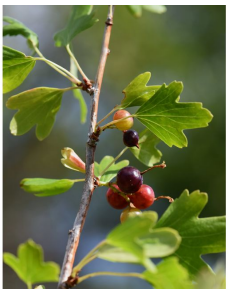


Distribution. BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DICKEY, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MORTON, MOUNTRAIL, SIOUX, SLOPE, STARK, TOWNER, WARD, WILLIAMS.

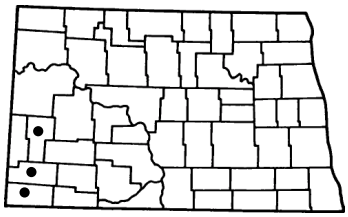
Sources: 29, 3, 39, 4, 42, 43, 45, 47, 5, 7, *13*, *1*, *24*, *27*, *31*, *32*, *41*, *45*, *6*, *7*.

Photographed in V–IX.





5 (1510). *Ribes cereum* Douglas, wax currant

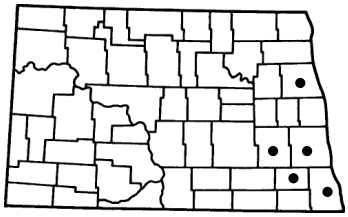


Distribution. BILLINGS, BOWMAN, SLOPE.

Sources: 1, 29, 33, 39, 41, 43, 47, 5, *32*, *35*.

6 (1511). *Ribes cynosbati* L., eastern prickly gooseberry

Grossularia cynosbati, Ribes huronense

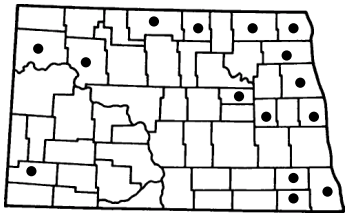


Distribution. BARNES, CASS, GRAND FORKS, RANSOM, RICHLAND.

Sources: 1, 25, 26, 27, 29, 34, 35, 39, 41, 43, 47, 5, 7, *7*.

7 (1512). *Ribes hirtellum* Michx., hairystem gooseberry

Grossularia hirtella



Distribution. BOTTINEAU, CAVALIER, EDDY, GRAND FORKS, GRIGGS, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SLOPE, TRAILL, WALSH, WILLIAMS.

Sources: 1, 14, 19, 25, 26, 28, 29, 30, 39, 4, 41, 43, 47, 5, 7, *13*.

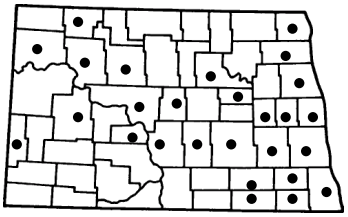
Photographed in VI–VII.

? *Ribes inerme* Rydb., whitestem gooseberry

Sources: *43*.

8 (1513). *Ribes missouriense* Nutt., Missouri gooseberry ☐

Grossularia missouriensis

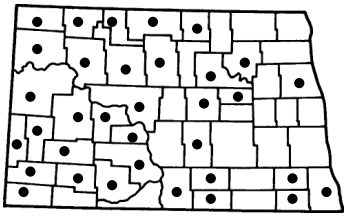


Distribution. BARNES, BENSON, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, MCLEAN, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SHERIDAN, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 14, 16, 19, 2, 24, 25, 26, 27, 29, 30, 31, 39, 4, 41, 42, 43, 47, 5, 6, 7, 8.

Photographed in VIII–X.

9 (1514). *Ribes oxyacanthoides* L., Canadian gooseberry ☐



Distribution. BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, HETTINGER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SLOPE, STARK, WARD, WELLS, WILLIAMS.

Sources: 1, 19, 24, 29, 39, 41, 42, 43, 45, 47, 5, 7, 8, *13*, *17*, *18*, *1*, *21*, *24*, *26*, *27*, *28*, *31*, *32*, *3*, *45*, *7*.

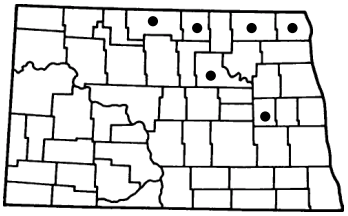
? *Ribes rotundifolium* Michx., Appalachian gooseberry ☐

Sources: 7.

? *Ribes rubrum* L., cultivated currant

Sources: 38, 45.

10 (1515). *Ribes triste* Pall., red currant



Distribution. BENSON, BOTTINEAU, CAVALIER, GRIGGS, PEMBINA, ROLETTE.

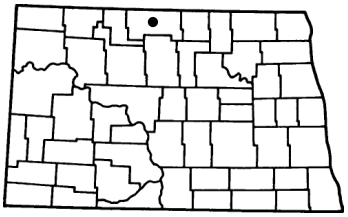
Sources: 1, 16, 18, 27, 28, 29, 3, 30, 39, 41, 42, 43, 47, 6.

? *Ribes uva-crispa* L., European gooseberry

Sources: 29, 38, 39, 47.

109. Scheuchzeriaceae, Scheuchzeria family

1 (1516). *Scheuchzeria palustris* L., rannoch-rush



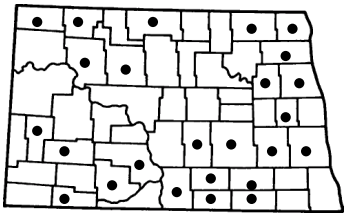
Distribution. BOTTINEAU.

Sources: 16, 29, 34, 35, 39, 4, 41, 43, 47, 7.

Photographed in VII.

110. Scrophulariaceae, Figwort family

1 (1517). *Limosella aquatica* L., water mudwort

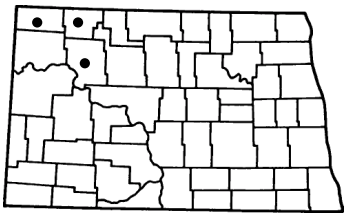


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, MOUNTRAIL, NELSON, PEMBINA, STARK, STEELE, STUTSMAN, WALSH, WARD.

Sources: 1, 14, 15, 16, 17, 18, 2, 24, 27, 28, 29, 3, 31, 39, 4, 41, 43, 5, 6, 7, 9, *11*, *30*, *44*.

2 (1518). *Limosella australis* R. Br., Welsh mudwort

Limosella subulata

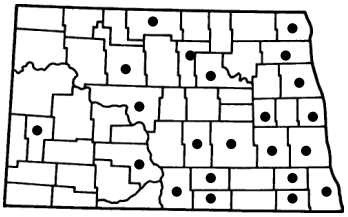


Distribution. BURKE, DIVIDE, MOUNTRAIL.

Sources: *13*.

3 (1519). *Scrophularia lanceolata* Pursh, lanceleaf figwort

Scrophularia leporella, Scrophularia occidentalis, Scrophularia pectinata

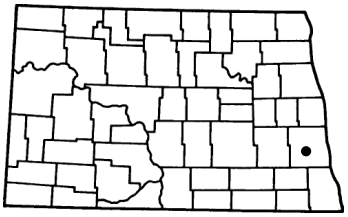


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCINTOSH, MCLEAN, MORTON, PEMBINA, PIERCE, RANSOM, RICHLAND, SARGENT, STUTSMAN, TRAILL, WALSH, WARD.

Sources: 1, 11, 14, 17, 25, 26, 27, 28, 29, 30, 32, 39, 4, 41, 42, 43, 5, 6, 7, *18*, *31*, *7*.

Photographed in VIII.

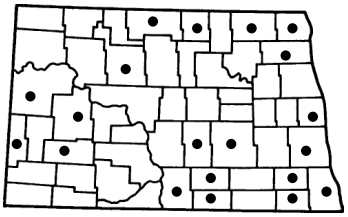
4 (1520). *Verbascum blattaria* L., moth mullein



Distribution. CASS. Introduced.

Sources: 27, 29, 39, 5.

5 (1521). *Verbascum thapsus* L., common mullein

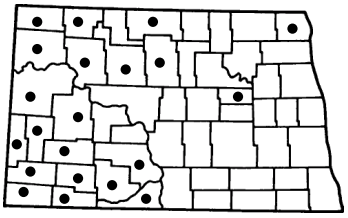


Distribution. BOTTINEAU, CASS, CAVALIER, DUNN, EMMONS, GOLDEN VALLEY, KIDDER, LOGAN, MCINTOSH, MCKENZIE, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK, STUTSMAN, TRAILL, WALSH, WARD. Introduced.

Sources: 1, 17, 24, 25, 26, 27, 28, 29, 30, 31, 32, 36, 39, 4, 40, 43, 45, 5, 6, 7.

111. Selaginellaceae, Spike-moss family

1 (1522). *Selaginella densa* Rydb., lesser spikemoss



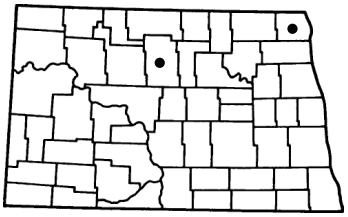
Distribution. ADAMS, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DIVIDE, DUNN, EDDY, GOLDEN VALLEY, GRANT, HETTINGER, MCHENRY, MCKENZIE, MORTON, MOUNTRAIL, PEMBINA, SIOUX, SLOPE, STARK, WARD, WILLIAMS.

Sources: 1, 13, 17, 18, 22, 23, 24, 27, 28, 29, 30, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, *19*, *5*.

Photographed in VII–X.

2 (1523). *Selaginella rupestris* (L.) Spring, northern selaginella

Lycopodium rupestre



Distribution. MCHENRY, PEMBINA.

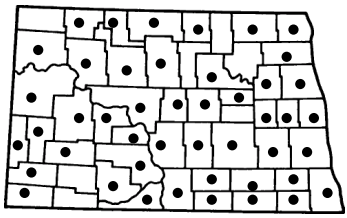
Sources: 1, 23, 29, 33, 34, 35, 39, 4, 41, 43, 45, 5, 3.

Photographed in IX.

112. Smilacaceae, Catbrier family

1 (1524). *Smilax herbacea* L., smooth carrionflower

Nemexia herbacea



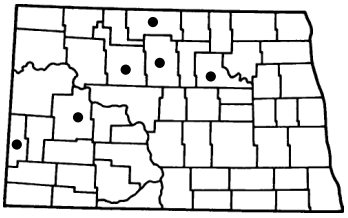
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 19, 2, 24, 25, 26, 27, 28, 3, 30, 31, 32, 4, 41, 42, 44, 45, 5, 6, 7, 8.

Photographed in VI–X.

2 (1525). *Smilax lasioneura* Hook., Blue Ridge carrionflower

Nemexia lasioneura, Smilax megacarpa, Smilax sandwicensis



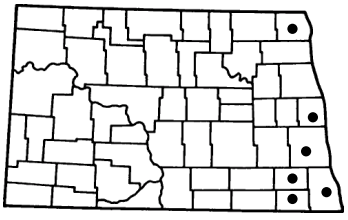
Distribution. BENSON, BOTTINEAU, DUNN, GOLDEN VALLEY, MCHENRY, WARD.

Sources: 18, 29, 43, 45, 47, *17*, *18*, *1*, *29*, *34*, *39*, *41*, *43*, *7*.

113. Solanaceae, Potato family

1 (1526). *Datura stramonium* L., jimsonweed

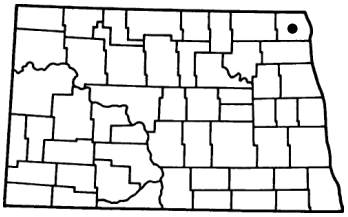
Datura tatula



Distribution. CASS, PEMBINA, RANSOM, RICHLAND, SARGENT, TRAILL. Introduced.

Sources: 1, 25, 26, 29, 39, 40, 43, 5, *27*.

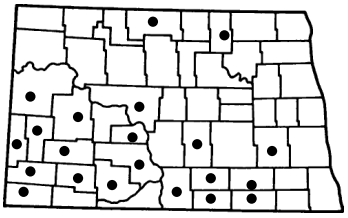
2 (1527). *Datura wrightii* Regel, sacred thorn-apple



Distribution. PEMBINA. Introduced.

Sources: *30*.

3 (1528). *Hyoscyamus niger* L., black henbane



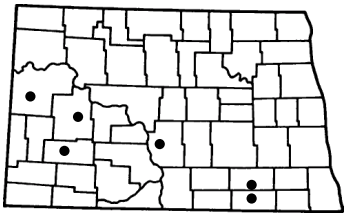
Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, DICKEY, DUNN, EMMONS, GOLDEN VALLEY, GRANT, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MORTON, OLIVER, SLOPE, STARK, TOWNER. Introduced.

Sources: 1, 11, 18, 2, 24, 27, 28, 29, 3, 31, 32, 36, 39, 4, 40, 42, 43, 5, 6, 7.

Photographed in VII.

4 (1529). *Lycium barbarum* L., matrimony vine

Lycium vulgare

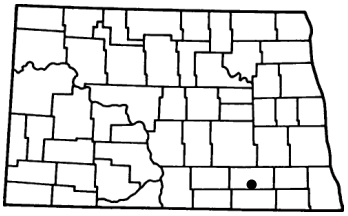


Distribution. BURLEIGH, DICKEY, DUNN, LAMOURE, MCKENZIE, STARK. Introduced.

Sources: 29, 39, 43, *1*, *24*, *27*, *2*, *5*.

5 (1530). *Nicandra physalodes* (L.) Scop., apple of Peru

Atropa physalodes, Physalodes physalodes



Distribution. LAMOURE. Introduced.

Sources: 18, 39, 5.

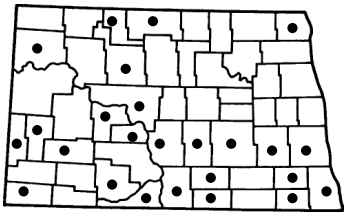
* *Petunia* ×*atkinsiana* D. Don ex Loudon, garden petunia

Sources: 38, *5*, *7*.

? *Physalis hederifolia* A. Gray, ivyleaf groundcherry

Sources: *18*.

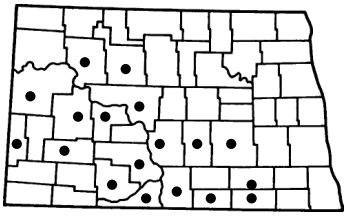
6 (1531). *Physalis heterophylla* Nees, clammy groundcherry



Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCLEAN, MERCER, OLIVER, PEMBINA, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 18, 24, 25, 26, 27, 28, 29, 3, 30, 32, 39, 4, 41, 42, 43, 45, 5, 6, 7, *31*.

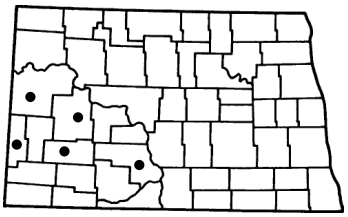
7 (1532). *Physalis hispida* (Waterf.) Cronquist, prairie groundcherry



Distribution. BURLEIGH, DICKEY, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LAMOURE, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, SIOUX, STARK, STUTSMAN, WARD.

Sources: 39, 5.

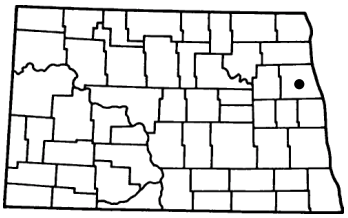
8 (1533). *Physalis longifolia* Nutt., longleaf groundcherry



Distribution. DUNN, GOLDEN VALLEY, MCKENZIE, MORTON, STARK.

Sources: 24, 29, 39, 41, 43.

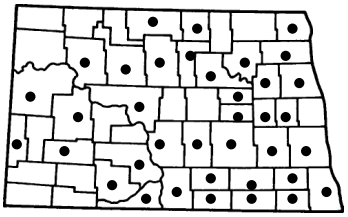
9 (1534). *Physalis pumila* Nutt., dwarf groundcherry



Distribution. GRAND FORKS.

Sources: 10.

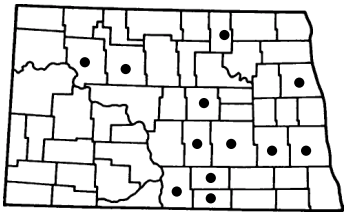
10 (1535). *Physalis virginiana* Mill., Virginia groundcherry



Distribution. BARNES, BENSON, BOTTINEAU, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, WALSH, WARD.

Sources: 1, 11, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *14*, *27*, *7*.

11 (1536). *Solanum dulcamara* L., climbing nightshade



Distribution. BARNES, CASS, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MOUNTRAIL, STUTSMAN, TOWNER, WARD, WELLS. Introduced.

Sources: 1, 11, 13, 19, 29, 31, 39, 4, 40, 43, 5.

Photographed in VII.

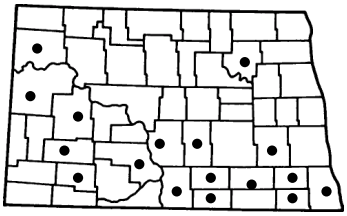
† *Solanum interius* Rydb., deadly nightshade

Sources: 29, 39.

* *Solanum lycopersicum* L., garden tomato

Sources: 29, 38, 39, 5, *18*, *27*.

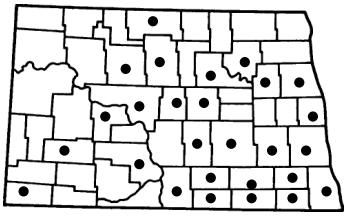
12 (1537). *Solanum physalifolium* Rusby, hoe nightshade



Distribution. BARNES, BURLEIGH, DUNN, EMMONS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MORTON, RAMSEY, RANSOM, RICHLAND, SARGENT, STARK, WILLIAMS. Introduced.

Sources: 29, 39, 40, 41, 43, 45, 5, *11*, *13*, *1*, *21*, *24*, *26*, *31*, *7*.

13 (1538). *Solanum ptychanthum* Dunal, West Indian nightshade



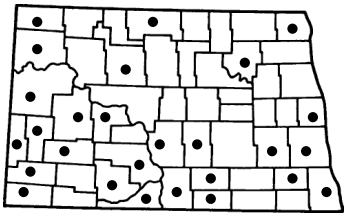
Distribution. BARNES, BENSON, BOTTINEAU, BOWMAN, CASS, DICKEY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, NELSON, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, STARK, STUTSMAN, TRAILL, WARD, WELLS. Introduced.

Sources: 39, 4, 41, *11*, *14*, *18*, *19*, *1*, *21*, *24*, *25*, *26*, *27*, *28*, *29*, *2*, *31*, *3*, *45*, *5*, *6*, *7*.

Photographed in VII–VIII.

14 (1539). *Solanum rostratum* Dunal, buffalobur nightshade

Androcera rostrata, Solanum cornutum

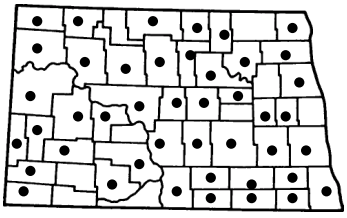


Distribution. BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, PEMBINA, RAMSEY, RANSOM, RICHLAND, SIOUX, SLOPE, STARK, TRAILL, WARD, WILLIAMS.

Sources: 1, 12, 13, 17, 18, 24, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 43, 5, 6, 7, *21*, *32*.

Photographed in VI–X.

15 (1540). *Solanum triflorum* Nutt., cutleaf nightshade



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, *21*, *30*, *8*.

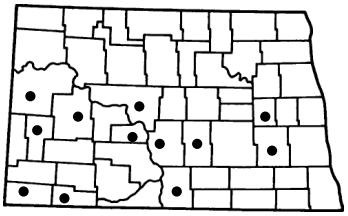
Photographed in VIII–IX.

? *Solanum tuberosum* L., Irish potato ☐

Sources: 18, 38, 5, 7.

114. Tamaricaceae, Tamarix family

1 (1541). *Tamarix chinensis* Lour., five-stamen tamarisk ☐



Distribution. ADAMS, BARNES, BILLINGS, BOWMAN, BURLEIGH, DUNN, EMMONS, GRIGGS, KIDDER, MCKENZIE, MCLEAN, OLIVER. Introduced.

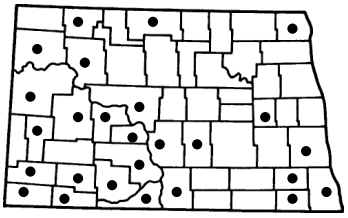
Sources: 36, 37, 39, 40, *36*, *37*.

? *Tamarix gallica* L., French tamarisk ☐

Tamarix tetrandra

Sources: 32.

2 (1542). *Tamarix ramosissima* Ledeb., saltcedar ☐



Distribution. ADAMS, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DUNN, EMMONS, GRANT, GRIGGS, HETTINGER, KIDDER, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, SLOPE, WILLIAMS. Introduced.

Sources: 1, 16, 29, 36, 37, 40, 43, 47.

115. Taxaceae, Yew family

? *Taxus brevifolia* Nutt., Pacific yew

Sources: 38, 5.

? *Taxus canadensis* Marsh., Canada yew

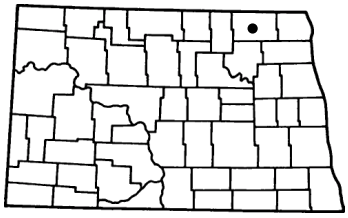
Sources: 38, 7.

? *Taxus* ×*media* Rehder, Anglojap yew

Sources: 38, *38*, *5*.

116. Thymelaeaceae, Mezereum family

1 (1543). *Dircа palustris* L., eastern leatherwood



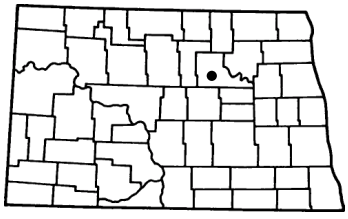
Distribution. CAVALIER.

Sources: 29, 34, 35, 39, 41, 43, 5.

117. Tofieldiaceae, False asphodel family

1 (1544). *Triantha glutinosa* (Michx.) Baker, sticky tofieldia

Narthecium glutinosum



Distribution. BENSON.

Sources: 29, 34, 39, 41, 43, 47.

118. Typhaceae, Cat-tail family

? *Sparganium americanum* Nutt., American bur-reed

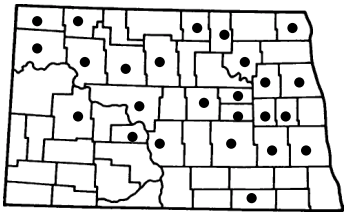
Sources: 29.

? *Sparganium androcladum* (Engelm.) Morong, branched bur-reed

Sources: 43.

1 (1545). *Sparganium emersum* Rehmann, European bur-reed

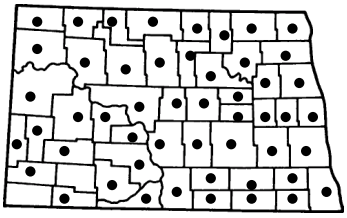
Sparganium acaule, Sparganium chlorocarpum, Sparganium simplex



Distribution. BARNES, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, DUNN, EDDY, FOSTER, GRAND FORKS, GRIGGS, MCHENRY, MCLEAN, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, ROLETTE, STEELE, STUTSMAN, TOWNER, WARD, WELLS, WILLIAMS. Introduced.

Sources: 29, 39, 41, 47, 5, *11*, *13*, *15*, *16*, *19*, *1*, *21*, *24*, *41*, *45*, *6*, *7*, *8*.

2 (1546). *Sparganium eurycarpum* Engelm., broadfruit bur-reed

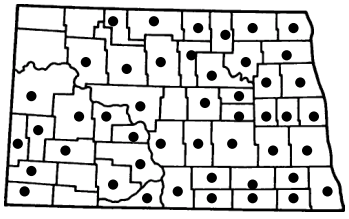


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 10, 11, 13, 14, 15, 16, 18, 19, 2, 21, 24, 25, 26, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 44, 45, 47, 5, 6, 7, 8, 9, *17*, *1*.

Photographed in VII–IX.

3 (1547). *Typha angustifolia* L., narrowleaf cattail

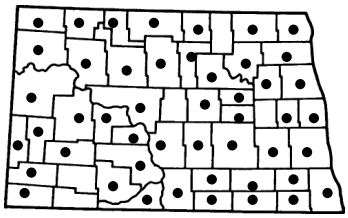


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 11, 15, 16, 19, 21, 24, 25, 27, 28, 29, 30, 31, 32, 39, 4, 40, 42, 43, 44, 45, 47, 48, 5, 6, 7, 8, 9, *11*, *26*, *2*.

Photographed in VII–IX.

4 (1548). *Typha latifolia* L., broadleaf cattail

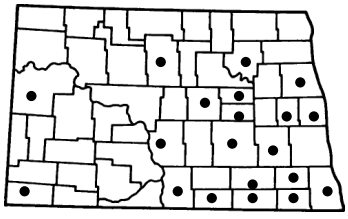


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 12, 13, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9, *5*.

Photographed in VII.

5 (1549). *Typha* ×*glauca* Godr., white cattail

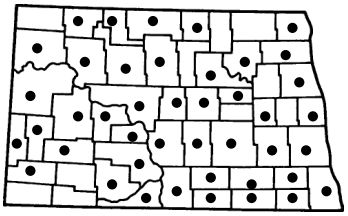


Distribution. BARNES, BOWMAN, BURLEIGH, DICKEY, EDDY, EMMONS, FOSTER, GRAND FORKS, LAMOURE, MCHENRY, MCINTOSH, MCKENZIE, RAMSEY, RANSOM, RICHLAND, SARGENT, STEELE, STUTSMAN, TRAILL, WELLS.

Sources: *15*, *16*, *19*, *21*, *24*, *26*, *2*, *39*, *5*, *6*, *8*.

119. Ulmaceae, Elm family

1 (1550). *Ulmus americana* L., American elm



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

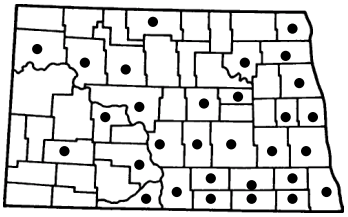
Sources: 1, 10, 11, 12, 13, 14, 17, 18, 19, 2, 21, 24, 25, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *26*, *7*.

Photographed in VII.

? *Ulmus parvifolia* Jacq., Chinese elm

Sources: 38, 45, *7*.

2 (1551). *Ulmus pumila* L., Siberian elm

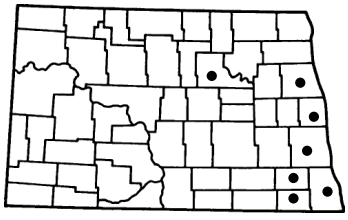


Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, DICKEY, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, PEMBINA, RAMSEY, RANSOM, RICHLAND, SARGENT, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 12, 13, 19, 2, 21, 24, 25, 26, 28, 29, 31, 39, 4, 40, 42, 43, 45, 47, 5, 7, 8.

Photographed in VI–IX.

3 (1552). *Ulmus rubra* Muhl., slippery elm



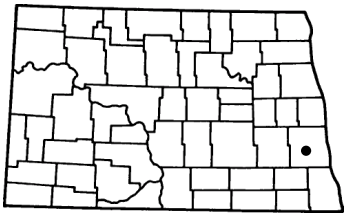
Distribution. BENSON, CASS, GRAND FORKS, RANSOM, RICHLAND, SARGENT, TRAILL.

Sources: 1, 18, 25, 26, 27, 29, 3, 33, 34, 35, 39, 4, 41, 43, 47, 5, 7, *5*.

Photographed in VII.

4 (1553). *Ulmus thomasii* Sarg., rock elm

Ulmus racemosa

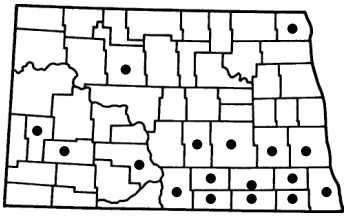


Distribution. CASS.

Sources: 29, 39, 41, 43, *1*.

120. Umbelliferae, Carrot family

1 (1554). *Anethum graveolens* L., dill

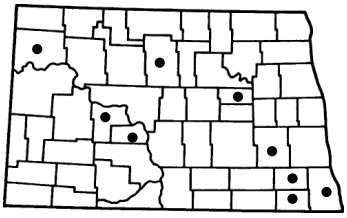


Distribution. BARNES, BILLINGS, CASS, DICKEY, EMMONS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MORTON, PEMBINA, RANSOM, RICHLAND, SARGENT, STARK, STUTSMAN, WARD. Introduced.

Sources: 1, 11, 17, 2, 24, 25, 26, 27, 29, 30, 31, 32, 39, 4, 43, 5, 7.

2 (1555). *Berula erecta* (Huds.) Coville, cutleaf waterparsnip

Berula incisa, Berula pusilla, Siella erecta

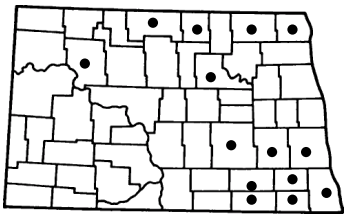


Distribution. BARNES, EDDY, MCHENRY, MERCER, OLIVER, RANSOM, RICHLAND, SARGENT, WILLIAMS.

Sources: 1, 11, 13, 15, 16, 19, 25, 26, 29, 3, 39, 41, 43, 5, 6, 8, *27*, *45*, *7*.

3 (1556). *Carum carvi* L., caraway

Carum velenovskyi

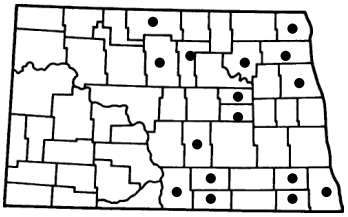


Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DICKEY, LAMOURE, MOUNTRAIL, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN. Introduced.

Sources: 11, 13, 2, 25, 26, 27, 28, 29, 3, 30, 39, 4, 40, 43, 45, 5.

Photographed in VI–VII.

4 (1557). *Cicuta bulbifera* L., bulblet-bearing water hemlock

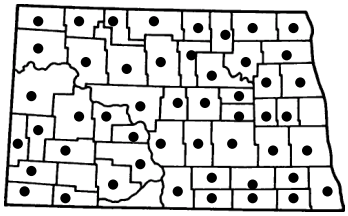


Distribution. BOTTINEAU, EDDY, EMMONS, FOSTER, GRAND FORKS, KIDDER, LOGAN, MCHENRY, MCINTOSH, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, WALSH.

Sources: 1, 15, 16, 19, 25, 26, 27, 29, 3, 30, 31, 39, 4, 41, 43, 45, 5, 6, 8.

Photographed in VII–IX.

5 (1558). *Cicuta maculata* L., spotted water hemlock

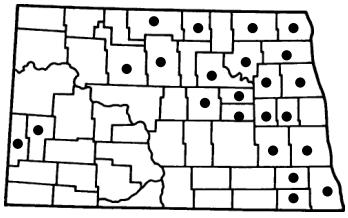


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *15*, *32*, *45*, *5*, *7*.

Photographed in VII–X.

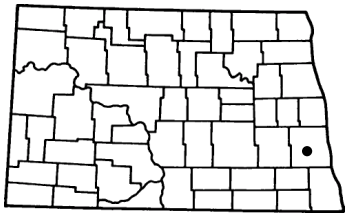
6 (1559). *Conium maculatum* L., poison hemlock



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, CASS, CAVALIER, EDDY, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, MCHENRY, NELSON, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, WALSH, WARD, WELLS. Introduced.

Sources: 1, 27, 29, 39, 40, 43, 45, 5.

7 (1560). *Coriandrum sativum* L., coriander

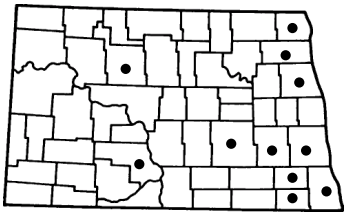


Distribution. CASS. Introduced.

Sources: 29, 39, 43, 5.

8 (1561). *Cryptotaenia canadensis* (L.) DC., Canadian honewort

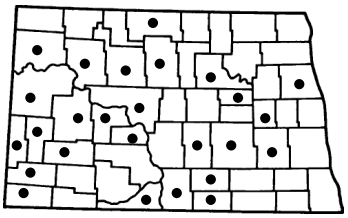
Deringa canadensis



Distribution. BARNES, CASS, GRAND FORKS, MORTON, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH, WARD.

Sources: 1, 14, 17, 25, 26, 29, 30, 39, 41, 42, 43, 45, 5, 6, 7, *11*, *27*, *3*.

9 (1562). *Cymopterus acaulis* (Pursh) Raf., plains springparsley

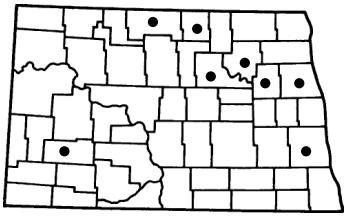


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, OLIVER, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 18, 19, 24, 27, 28, 29, 3, 31, 4, 41, 43, 45, 5, 6, 7, 8, *13*, *17*, *32*, *39*, *43*.

Photographed in V.

10 (1563). *Daucus carota* L., Queen Anne's lace

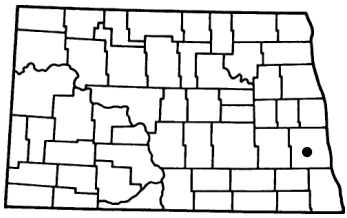


Distribution. BENSON, BOTTINEAU, CASS, GRAND FORKS, NELSON, RAMSEY, ROLETTE, STARK. Introduced.

Sources: 1, 21, 27, 29, 3, 39, 4, 40, 41, 43, 45, 5, 7, *7*.

Photographed in VII.

11 (1564). *Eryngium planum* L., plains eryngo

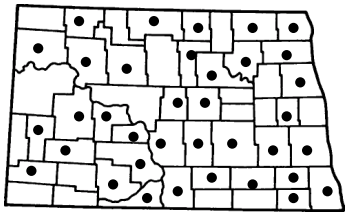


Distribution. CASS. Introduced.

Sources: *5*.

12 (1565). *Heracleum maximum* Bartram, common cowparsnip

Heracleum lanatum

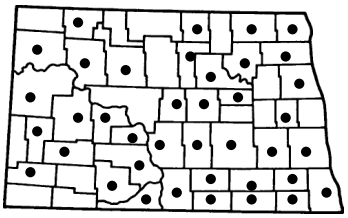


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DUNN, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 14, 29, 39, 4, 42, 43, 45, 5, *13*, *17*, *25*, *27*, *28*, *30*, *32*, *3*, *7*.

Photographed in VII.

13 (1566). *Heracleum sphondylium* L., eltrot

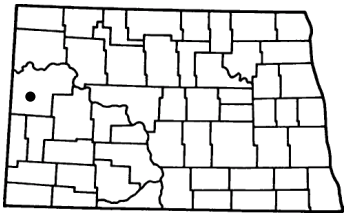


Distribution. BARNES, BENSON, BILLINGS, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 11, 18, 19, 2, 21, 24, 26, 31, 42, 43, 44, 5, 8, *41*, *6*.

14 (1567). *Lomatium cous* (S. Watson) J.M. Coult. & Rose, cous biscuitroot

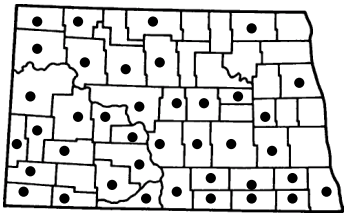
Lomatium circumdatum, Lomatium montanum



Distribution. MCKENZIE.

Sources: 29, 39, *18*.

15 (1568). *Lomatium foeniculaceum* (Nutt.) J.M. Coult. & Rose, desert biscuitroot



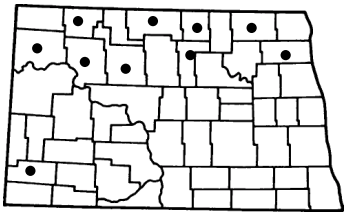
Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 17, 18, 19, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 43, 45, 5, 6, 7, 8, *18*, *2*, *45*, *7*.

Photographed in V–VI.

16 (1569). *Lomatium macrocarpum* (Nutt. ex Torr. & A. Gray) J.M. Coult. & Rose, bigseed biscuitroot

Cogswellia macrocarpa, Ferula macrocarpa, Peucedanum macrocarpum

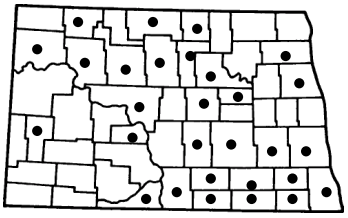


Distribution. BOTTINEAU, BURKE, CAVALIER, MOUNTRAIL, PIERCE, ROLETTE, SLOPE, WALSH, WARD, WILLIAMS.

Sources: 17, 27, 28, 29, 39, 4, 41, 43, 5, *13*, *18*, *1*.

17 (1570). *Lomatium orientale* J.M. Coult. & Rose, Northern Idaho biscuitroot

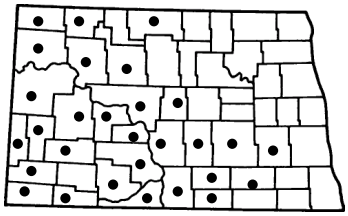
Cogswellia orientalis



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, DICKEY, EDDY, EMMONS, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MOUNTRAIL, OLIVER, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 12, 13, 14, 17, 19, 25, 26, 27, 28, 29, 3, 31, 39, 4, 41, 43, 45, 5, 6, 7, *18*, *8*.

18 (1571). *Musineon divaricatum* (Pursh) Raf., leafy wildparsley

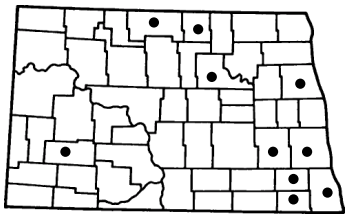


Distribution. ADAMS, BARNES, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, DIVIDE, DUNN, EMMONS, GOLDEN VALLEY, GRANT, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 11, 12, 13, 17, 18, 24, 28, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, *27*.

19 (1572). *Osmorhiza claytonii* (Michx.) C.B. Clarke, Clayton's sweetroot

Washingtonia claytonii



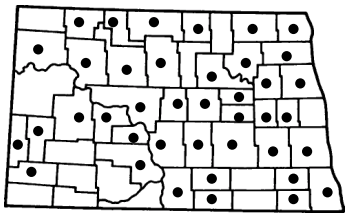
Distribution. BARNES, BENSON, BOTTINEAU, CASS, GRAND FORKS, RANSOM, RICHLAND, ROLETTE, SARGENT, STARK.

Sources: 1, 11, 14, 25, 26, 29, 35, 39, 4, 41, 43, 5, *28*, *45*, *5*, *7*.

Photographed in VII.

20 (1573). *Osmorhiza longistylis* (Torr.) DC., longstyle sweetroot

Washingtonia longistylis

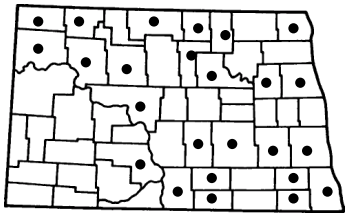


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRIGGS, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SLOPE, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 19, 21, 24, 25, 26, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *17*, *27*.

Photographed in VII–VIII.

21 (1574). *Pastinaca sativa* L., wild parsnip

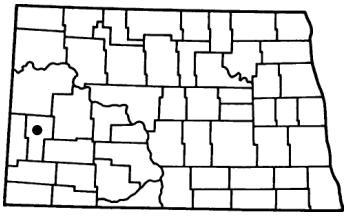


Distribution. BARNES, BENSON, BOTTINEAU, BURKE, CASS, DIVIDE, EMMONS, GRAND FORKS, KIDDER, LOGAN, MCINTOSH, MCLEAN, MORTON, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RANSOM, RICHLAND, ROLETTE, SARGENT, STUTSMAN, TOWNER, WARD, WILLIAMS. Introduced.

Sources: 1, 11, 13, 17, 18, 26, 27, 28, 29, 3, 30, 31, 39, 4, 40, 43, 45, 5, 6, 7, *25*.

22 (1575). *Polytaenia nuttallii* DC., Nuttall's prairie parsley

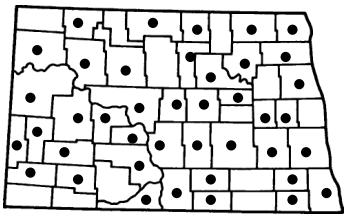
Pleiotaenia nuttallii



Distribution. BILLINGS.

Sources: 29, 45.

23 (1576). *Sanicula marilandica* L., Maryland sanicle



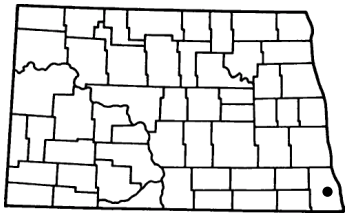
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRIGGS, HETTINGER, KIDDER, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 18, 19, 21, 24, 25, 26, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, *17*, *27*, *28*.

Photographed in VII–VIII.

24 (1577). ***Sanicula odorata*** **(Raf.) K.M. Pryer & L.R. Phillippe, clustered blacksnakeroot**

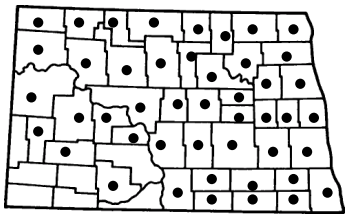
Sanicula gregaria, Triclinium odoratum



Distribution. RICHLAND.

Sources: 29, 39, 41, 5, *25*, *26*, *35*.

25 (1578). *Sium suave* Walter, hemlock waterparsnip



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 15, 16, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 32, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *21*, *7*.

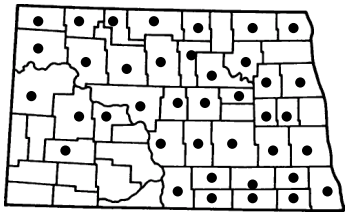
Photographed in VII–VIII.

? *Thaspium trifoliatum* (L.) A. Gray, purple meadowparsnip

Sources: 7.

26 (1579). *Zizia aptera* (A. Gray) Fernald, meadow zizia

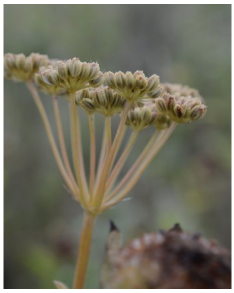
Zizia cordata



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SHERIDAN, STARK, STEELE, STUTSMAN, WARD, WELLS, WILLIAMS.

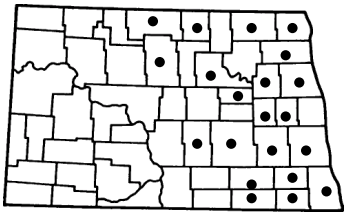
Sources: 1, 10, 11, 13, 17, 19, 21, 24, 25, 26, 27, 28, 29, 30, 31, 39, 4, 41, 42, 43, 44, 45, 5, 6, 7, 8, 9, *18*, *2*, *3*, *7*.

Photographed in V–VIII.



27 (1580). *Zizia aurea* (L.) W.D.J. Koch, golden zizia

Zizia arenicola, Zizia bebbii



Distribution. BARNES, BENSON, BOTTINEAU, CASS, CAVALIER, DICKEY, EDDY, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, MCHENRY, NELSON, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, STUTSMAN, WALSH.

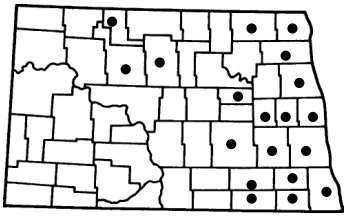
Sources: 1, 10, 11, 14, 18, 19, 2, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, 9.

Photographed in VI–VIII.

121. Urticaceae, Nettle family

1 (1581). *Laportea canadensis* (L.) Weddell, Canadian woodnettle

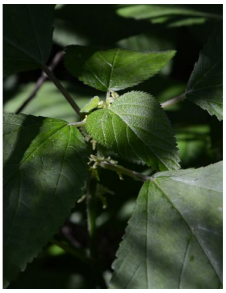
Urtica canadensis



Distribution. BARNES, CASS, CAVALIER, DICKEY, EDDY, GRAND FORKS, GRIGGS, LAMOURE, MCHENRY, PEMBINA, RANSOM, RENVILLE, RICHLAND, SARGENT, STEELE, STUTSMAN, TRAILL, WALSH, WARD.

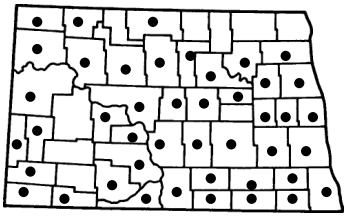
Sources: 1, 11, 14, 17, 18, 19, 2, 25, 26, 27, 29, 3, 30, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8.

Photographed in VII–VIII.



2 (1582). *Parietaria pensylvanica* Muhl. ex Willd., Pennsylvania pellitory

Parietaria obtusa, Parietaria occidentalis

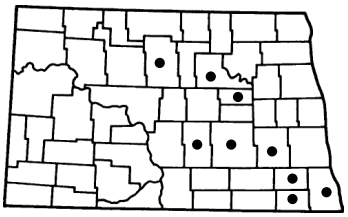


Distribution. ADAMS, BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 14, 19, 2, 21, 24, 26, 29, 3, 31, 32, 39, 4, 41, 43, 45, 47, 5, 6, 8, *17*, *25*, *27*, *28*, *5*, *7*.

Photographed in VII–X.

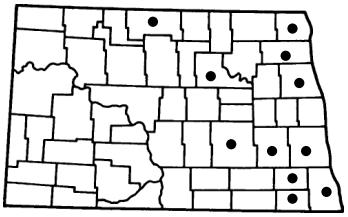
3 (1583). *Pilea fontana* (Lunell) Rydb., lesser clearweed



Distribution. BARNES, BENSON, EDDY, KIDDER, MCHENRY, RANSOM, RICHLAND, SARGENT, STUTSMAN.

Sources: 15, 16, 18, 25, 26, 29, 33, 39, 41, 43, 47, 5, 6, 7, *18*, *31*, *45*.

4 (1584). *Pilea pumila* (L.) A. Gray, Canadian clearweed

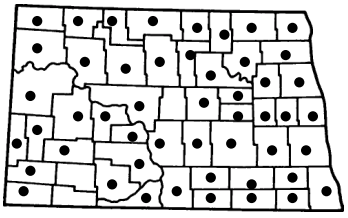


Distribution. BARNES, BENSON, BOTTINEAU, CASS, GRAND FORKS, PEMBINA, RANSOM, RICHLAND, SARGENT, STUTSMAN, WALSH.

Sources: 1, 11, 15, 16, 25, 26, 27, 28, 29, 3, 30, 39, 4, 41, 42, 43, 45, 47, 5, 7, *5*.

Photographed in VIII.

5 (1585). *Urtica dioica* L., stinging nettle



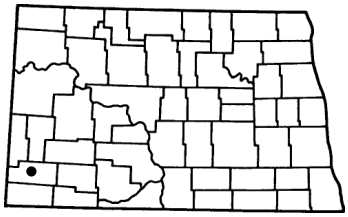
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TOWNER, TRAILL, WALSH, WARD, WELLS, WILLIAMS. Introduced.

Sources: 1, 10, 11, 13, 14, 16, 18, 19, 2, 21, 24, 25, 26, 29, 3, 30, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *27*, *28*, *32*, *6*, *7*.

Photographed in VI–X.

122. Verbenaceae, Verbena family

1 (1586). *Glandularia bipinnatifida* (Nutt.) Nutt., Dakota mock vervian



Distribution. SLOPE.

Sources: *43*, *45*.

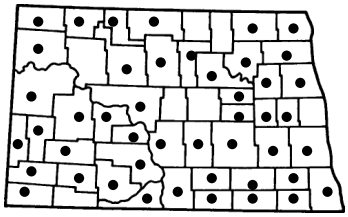
† *Stylodon carneus* (Medik.) Moldenke, Carolina false vervain

Stylodon carolinensis, Verbena carnea, Verbena carolinensis

Sources: *18*.

2 (1587). *Verbena bracteata* Cav. ex Lag. & Rodr., bigbract verbena

Verbena bracteosa, Verbena imbricata

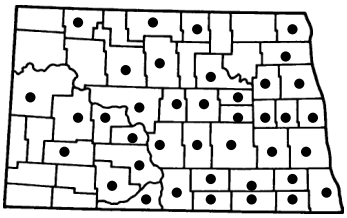


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, BURLEIGH, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RENVILLE, RICHLAND, SARGENT, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 14, 17, 19, 2, 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, 39, 4, 41, 43, 44, 45, 5, 6, 7, 8, *18*, *3*, *7*.

Photographed in VI–IX.

3 (1588). *Verbena hastata* L., swamp verbena



Distribution. BARNES, BENSON, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, NELSON, OLIVER, PEMBINA, RANSOM, RICHLAND, ROLETTE, SARGENT, SHERIDAN, SIOUX, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS.

Sources: 1, 13, 14, 16, 17, 18, 19, 2, 24, 25, 26, 27, 28, 29, 3, 30, 31, 39, 4, 41, 42, 43, 45, 5, 6, 7, 8, *11*, *15*, *44*, *7*.

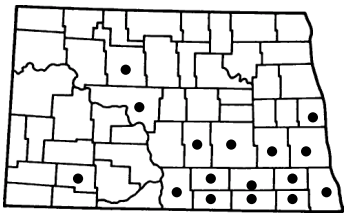
Photographed in VII–VIII.

? *Verbena rigida* Spreng., tuberous vervain

Verbena venosa

Sources: 29.

4 (1589). *Verbena stricta* Vent., hoary verbena

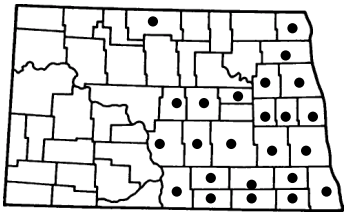


Distribution. BARNES, CASS, DICKEY, EMMONS, HETTINGER, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCLEAN, RANSOM, RICHLAND, SARGENT, STUTSMAN, TRAILL, WARD.

Sources: 1, 17, 2, 25, 26, 27, 29, 3, 31, 39, 4, 41, 43, 45, 5, 6, 7.

Photographed in VIII.

5 (1590). *Verbena urticifolia* L., white vervain



Distribution. BARNES, BOTTINEAU, BURLEIGH, CASS, DICKEY, EDDY, EMMONS, GRAND FORKS, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, NELSON, PEMBINA, RANSOM, RICHLAND, SARGENT, SHERIDAN, STEELE, STUTSMAN, TRAILL, WALSH, WELLS.

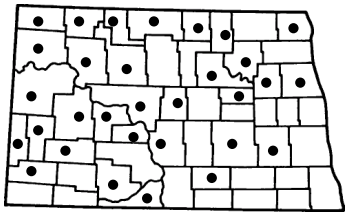
Sources: 1, 14, 19, 2, 25, 26, 27, 28, 29, 30, 31, 39, 4, 41, 43, 45, 5, 6, 7, 8.

Photographed in VII–VIII.

123. Violaceae, Violet family

1 (1591). *Viola adunca* Sm., hookedspur violet

Viola chalcosperma, Viola rosacea

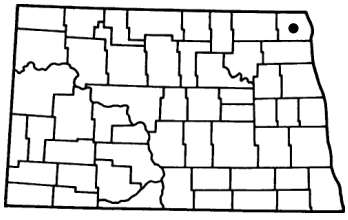


Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, DIVIDE, DUNN, EDDY, GOLDEN VALLEY, GRAND FORKS, GRANT, LOGAN, MCKENZIE, MCLEAN, MERCER, MOUNTRAIL, NELSON, OLIVER, PEMBINA, RAMSEY, RENVILLE, ROLETTE, SHERIDAN, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, WARD, WILLIAMS.

Sources: 1, 10, 11, 13, 17, 18, 21, 24, 27, 28, 29, 3, 30, 32, 39, 4, 41, 43, 44, 45, 47, 5, 6, 7, 8, 9.

Photographed in VI.

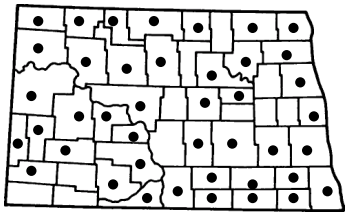
2 (1592). *Viola blanda* Willd., sweet white violet



Distribution. PEMBINA.

Sources: 29, 34, 39, 43, 47, 5, *33*, *35*, *5*.

3 (1593). *Viola canadensis* L., Canadian white violet



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, CASS, CAVALIER, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, GOLDEN VALLEY, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

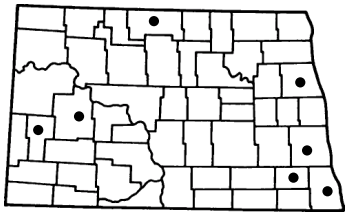
Sources: 1, 11, 13, 14, 18, 19, 2, 21, 24, 25, 26, 29, 31, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *17*, *27*, *28*, *30*, *32*, *3*, *44*, *5*, *7*.

? *Viola cucullata* Aiton, marsh blue violet

Sources: 45.

4 (1594). *Viola labradorica* Schrank, alpine violet

Viola conspersa



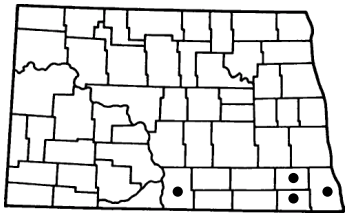
Distribution. BILLINGS, BOTTINEAU, CASS, DUNN, GRAND FORKS, RANSOM, RICHLAND.

Sources: 29, 3, 39, 45, 47, *25*, *26*, *27*, *28*, *32*, *33*, *34*, *35*, *41*, *43*, *5*, *7*.

? *Viola macloskeyi* Lloyd, small white violet

Sources: 29, 47.

5 (1595). *Viola missouriensis* Greene, Missouri violet

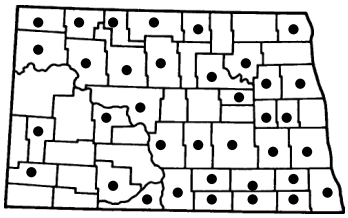


Distribution. EMMONS, RANSOM, RICHLAND, SARGENT.

Sources: 25, 43, *1*.

6 (1596). *Viola nephrophylla* Greene, northern bog violet

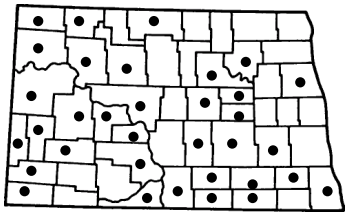
Viola maccabeana, Viola pratincola, Viola retusa



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, CASS, DICKEY, DIVIDE, EDDY, EMMONS, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MERCER, MOUNTRAIL, NELSON, PEMBINA, RAMSEY, RANSOM, RENVILLE, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STEELE, STUTSMAN, WARD, WILLIAMS.

Sources: 11, 12, 13, 15, 16, 17, 18, 19, 21, 25, 26, 28, 29, 30, 31, 39, 4, 41, 42, 45, 47, 5, 6, 8, *11*, *14*, *17*, *18*, *1*, *25*, *26*, *27*, *28*, *29*, *2*, *30*, *31*, *32*, *39*, *3*, *41*, *43*, *45*, *47*, *5*, *6*, *7*, *9*.

7 (1597). *Viola nuttallii* Pursh, Nuttall's violet



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURKE, DICKEY, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, OLIVER, RAMSEY, RANSOM, RICHLAND, SIOUX, SLOPE, STARK, STUTSMAN, WARD, WELLS, WILLIAMS.

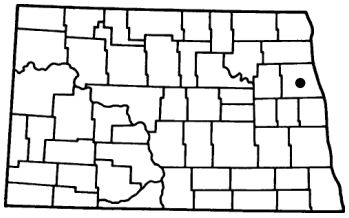
Sources: 1, 12, 13, 17, 19, 21, 24, 25, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, *11*, *18*, *26*, *2*.

Photographed in V–VI.

? *Viola palmata* L., early blue violet

Sources: 7, *47*.

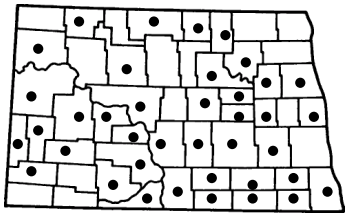
8 (1598). *Viola pedata* L., birdfoot violet



Distribution. GRAND FORKS.

Sources: 39, 7.

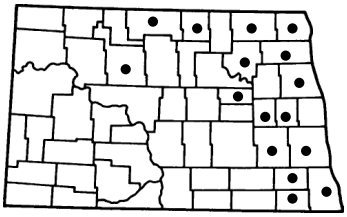
9 (1599). *Viola pedatifida* G. Don, prairie violet



Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURKE, BURLEIGH, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, NELSON, OLIVER, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, SIOUX, SLOPE, STARK, STUTSMAN, TOWNER, TRAILL, WARD, WELLS, WILLIAMS.

Sources: 1, 10, 11, 13, 14, 17, 18, 19, 2, 21, 24, 25, 26, 27, 28, 29, 3, 31, 32, 39, 4, 41, 42, 43, 44, 45, 47, 5, 6, 7, 8, 9.

10 (1600). *Viola pubescens* Aiton, downy yellow violet



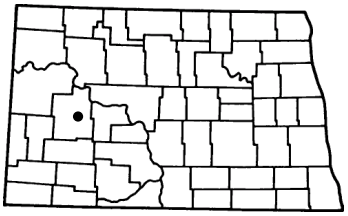
Distribution. BARNES, BOTTINEAU, CASS, CAVALIER, EDDY, GRAND FORKS, GRIGGS, PEMBINA, RAMSEY, RANSOM, RICHLAND, ROLETTE, SARGENT, STEELE, WALSH, WARD.

Sources: 11, 14, 18, 19, 21, 25, 26, 29, 3, 39, 4, 41, 43, 45, 47, 6, 7, 8, *17*, *27*, *28*, *30*, *7*.

Photographed in VI.

11 (1601). *Viola sempervirens* Greene, evergreen violet

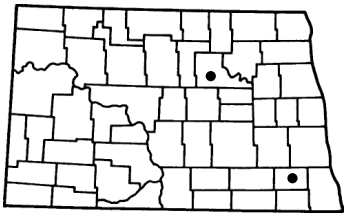
Viola sarmentosa



Distribution. DUNN.

Sources: 5, *24*.

12 (1602). *Viola vallicola* A. Nelson, sagebrush violet



Distribution. BENSON, RANSOM.

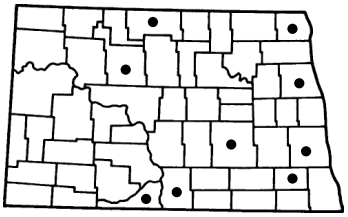
Sources: 18, 29, 39, 41, 45, 47, 7.

† *Viola* ×*bernardii* Greene, Bernard's violet

Sources: *29*, *39*.

124. Vitaceae, Grape family

1 (1603). *Parthenocissus quinquefolia* (L.) Planch., Virginia creeper



Distribution. BOTTINEAU, CASS, EMMONS, GRAND FORKS, PEMBINA, RANSOM, SIOUX, STUTSMAN, WARD.

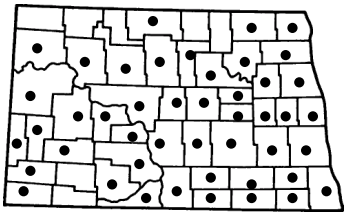
Sources: 14, 18, 3, 4, 42, 43, 44, 5, 7, *27*, *28*, *39*, *6*, *7*.

Photographed in VIII.

? *Parthenocissus tricuspidata* (Siebold & Zucc.) Planch., Boston ivy

Sources: 38, 5.

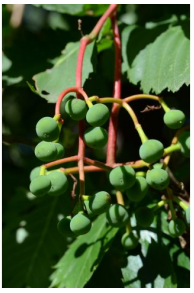
2 (1604). *Parthenocissus vitacea* (Knerr) Hitchc., woodbine



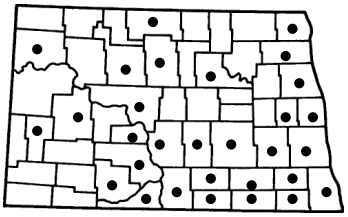
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BOWMAN, BURLEIGH, CASS, CAVALIER, DICKEY, DUNN, EDDY, EMMONS, FOSTER, GOLDEN VALLEY, GRAND FORKS, GRANT, GRIGGS, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, MCLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PEMBINA, PIERCE, RAMSEY, RANSOM, RICHLAND, SARGENT, SHERIDAN, SIOUX, SLOPE, STARK, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WELLS, WILLIAMS.

Sources: 1, 11, 13, 19, 2, 24, 25, 26, 29, 30, 31, 32, 4, 41, 42, 43, 45, 47, 5, 6, 7, 8, *21*.

Photographed in VII–IX.



3 (1605). *Vitis riparia* Michx., riverbank grape



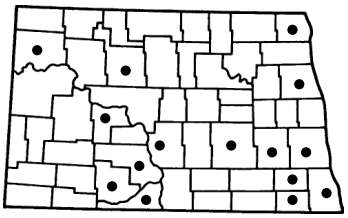
Distribution. BARNES, BENSON, BILLINGS, BOTTINEAU, BURLEIGH, CASS, DICKEY, DUNN, EMMONS, GRAND FORKS, GRANT, KIDDER, LAMOURE, LOGAN, MCHENRY, MCINTOSH, MCLEAN, MORTON, OLIVER, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, STEELE, STUTSMAN, TRAILL, WALSH, WARD, WILLIAMS.

Sources: 1, 11, 13, 2, 24, 25, 26, 28, 29, 30, 31, 32, 39, 4, 41, 42, 43, 44, 47, 5, 6, 7, *17*.

Photographed in VII–X.

4 (1606). *Vitis vulpina* L., frost grape

Vitis illex



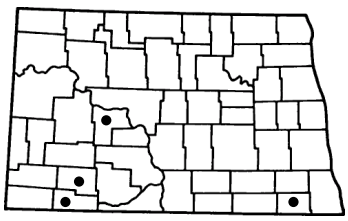
Distribution. BARNES, BURLEIGH, CASS, GRAND FORKS, GRANT, MERCER, MORTON, PEMBINA, RANSOM, RICHLAND, SARGENT, SIOUX, STUTSMAN, WARD, WILLIAMS.

Sources: 1, 14, 18, 25, 26, 27, 3, 30, 4, 42, 43, 45, 5, 7.

Photographed in VII–X.

125. Zygophyllaceae, Creosote-bush family

1 (1607). *Tribulus terrestris* L., puncturevine



Sources: 1, 25, 26, 27, 29, 39, 40, 41, 43, 47.

Distribution. ADAMS, HETTINGER, MERCER, SARGENT. Introduced.

List of sources

[1] Atlas of the flora of Great Plains. 1977. Ames : Iowa State University Press.

[2] Barlow, K.J. 1987. Vascular flora of LaMoure and Dickey counties, North Dakota. Thesis (M.S.)–North Dakota State University, 1987.

[3] Bergman, H.F. 1918. Flora of North Dakota. Separate report from the 6th biennial report of the Director of the North Dakota Soil and Geological Survey. Tribune State Printers and Binders, Bismarck.

[4] Database of MSU herbarium (MISU), continuously updated.

[5] Database of NDSU herbarium (NDSU), continuously updated.

[6] Database of NPWRC herbarium (Jamestown, North Dakota), accessed 20110713.

[7] Database of UND herbarium (GFND), accessed 20101216.

[8] DeKeyser, E.S. 1995. Vascular flora of Camp Grafton South in Eddy County, North Dakota. Thesis (M.S.)–North Dakota State University, 1995.

[9] Dix, R.L. and F.E. Smeins. 1967. The prairie, meadow, and marsh vegetation of Nelson County, North Dakota. Can. J. Bot. 45:21-58.

[10] Facey, V. et al. 1986. Vascular plants of Oakville Praire, North Dakota. Prairie Nat. 18(4): 203-210.

[11] Godfread, C.S. 1976. Vascular flora of Barnes and Stutsman counties, North Dakota. Thesis (Ph. D.)–North Dakota State University, 1976.

[12] Hansen, K. 2008. Plants of the Grand River and Cedar River National Grasslands: 2008. USDA-Forest Service, Dakota Prairie Grasslands, internal report. 56 pp.

[13] Hegstad, G.D. 1973. Vascular flora of Burke, Divide, Mountrail, and Williams counties in northwest North Dakota. Thesis (Ph. D.)–North Dakota State University, 1973.

[14] La Duke, J, et al. Vascular plants of University biology area. UND, Grand Forks. 37 p. Unpubl.

[15] Larson, G.E. 1979. The aquatic and wetland vascular plants of North Dakota. Ph.D. Thesis. NDSU, Fargo.

[16] Larson, G.E. 1993. Aquatic and wetland vascular plants of the northern Great Plains. Gen. Tech. Rep. RM-238. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station. 681 p.

[17] Lautenschlager, L.F. 1964. A floristic survey of Ward county, northwestern North Dakota. Thesis (M.S.)–North Dakota State University, 1964.

[18] Lunell, T. 1915-1918. Vascular plants of North Dakota. American Midland Naturalist.

[19] Meinke, T.T. 1991. The vascular flora of Eddy, Foster and Wells counties, North Dakota. Thesis (M.S.)–North Dakota State University, 1991.

[20] Miscellaneous personal communications.

[21] Okerson, S.K. 2001. Floristic survey of vascular plants in Ramsey county, North Dakota. Thesis (M.S.)–North Dakota State University, 2001.

[22] Pelvit, J., W.T. Barker. 1975. North Dakota ferns and fern allies. Tri-college Center for Environmental Studies. Publication series 1.

[23] Petrik-Ott, A.J. 1979. The Pteridophytes of Kansas, Nebraska, South Dakota and North Dakota, U.S.A. Nowa Hedwigia. Hf. 61.

[24] Rohde-Fulton, M.C. 1985. Vascular flora of west central North Dakota. Thesis (Ph. D.)–North Dakota State University, 1985.

[25] Seiler, G.J. 1973. Vascular flora of Richland, Ransom and Sargent counties, North Dakota. Thesis (M.S.)–North Dakota State University, 1973.

[26] Seiler, G.J., Barker W.T. 1985. Vascular flora of Richland, Ransom and Sargent counties, North Dakota. Prairie Nat. 17(4): 193-240.

[27] Stevens, O.A. 1950-1963. Handbook of North Dakota plants. North Dakota Institute for Regional Studies, Fargo.

[28] Stevens, O.A. 1966. Plants of Bottineau County, North Dakota. N. D. School of Forestry, Bottineau. 37 p.

[29] USDA PLANT database, North Dakota search, accessed 20130130.

[30] Willenbring. R.E. 1971. The vascular flora of Pembina County, North Dakota. Thesis (M.S.)–North Dakota State University, 1971.

[31] Williams, R. 1979. Vascular flora of south central North Dakota. Thesis (Ph. D.)–North Dakota State University, 1979.

[32] Zaczkowski, N.K. 1972. Vascular flora of Billings, Bowman, Golden Valley and Slope counties North Dakota. Thesis (Ph. D.)–North Dakota State University, 1972.

[33] Barker, W.T., G. Larson, and R. Williams. 1978. Rare and unique plants of North Dakota. p. 99-111. In: Public Service Commission. Inventory of exclusion and avoidance areas for the siting of energy conversion and transmission facilities. Bismarck.

[34] NatureServe database, North Dakota species at risk search, accessed 20130118

[35] Bry, E., ed. 1986. The rare ones. North Dakota Outdoors. 49(2):2-33.

[36] North Dakota Department of Agriculture. Noxious weeds, http://www.nd.gov/ndda/program/noxious-weeds, accessed 20130122.

[37] USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network–(GRIN) [Online Database]. Noxious weeds. North Dakota search, accessed 2013/01/22.

[38] Plants cultivated in North Dakota, continuously updated.

[39] The Biota of North America Program. North American Vascular Flora, accessed 20140202.

[40] EDDMapS, Early Detection and Distribution Mapping System, accessed 20140202.

[41] Freeman, C.C. 1999. Checklist of the Vascular Plants of the Grassland Biome of Central North America, unpubl.

[42] Plants and animals in North Dakota state parks. Plant checklists, accessed 20140208.

[43] Biodiversity occurrence data published by: BISON; Canadian Museum of Nature; Emporia State University; Field Museum; iNaturalist.org; Louisiana State University Herbarium; Missouri Botanical Garden; National Museum of Natural History, Smithsonian Institution; NatureServe; Royal Botanic Garden Edinburgh; Royal Ontario Museum; Staatliche Naturwissenschaftliche Sammlungen Bayerns; The New York Botanical Garden; Université de Montréal Biodiversity Centre; University of Alberta Museums; University of British Columbia; University of Colorado Museum of Natural History; University of Connecticut; University of Kansas Biodiversity Institute; University of Washington Burke Museum; USDA PLANTS Database; US National Plant Germplasm System; Utah State University; Yale University Peabody Museum (Accessed through Biodiversity Information Serving our Nation (BISON), bison.usgs.ornl.gov, 20140211, the search for North Dakota vascular plants).

[44] Murphy, R. K., and T. A. Grant. 2005. Land management history and floristics in mixed-grass prairie, North Dakota, USA. Natural Areas Journal. 25(4): 351-358.

[45] Intermountain Regional Herbarium Network portal, North Dakota search, accessed 20150514 (MISU excluded).

[46] Knife River Indian Villages National Historic Site: plant species list, accessed 20170517.

[47] Flora of North America "N.Dak." search, retrieved from efloras.org 20170602

[48] Impacts of an oil spill from the Dakota access pipeline on the Standing Rock Sioux tribe. Standing Rock Sioux Tribe. February 21, 2018.

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