

Ethnobotany. Lecture 38

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Outline

- 1 The most important cultivated plants and their centers of origins

Cork oak, *Quercus suber*, Fagaceae, Mediterranean

- Evergreen oak with extremely thick cork
- Used mostly for stoppers in wine bottles and in chemical labs
- Main producer is Portugal

Cork oak



Bamboos, Gramineae, East Asia (mostly)

- Subfamily of grasses, Bambusoideae
- Woody but temporary stems, plants often monocarpic
- Resistant to fungi and termites

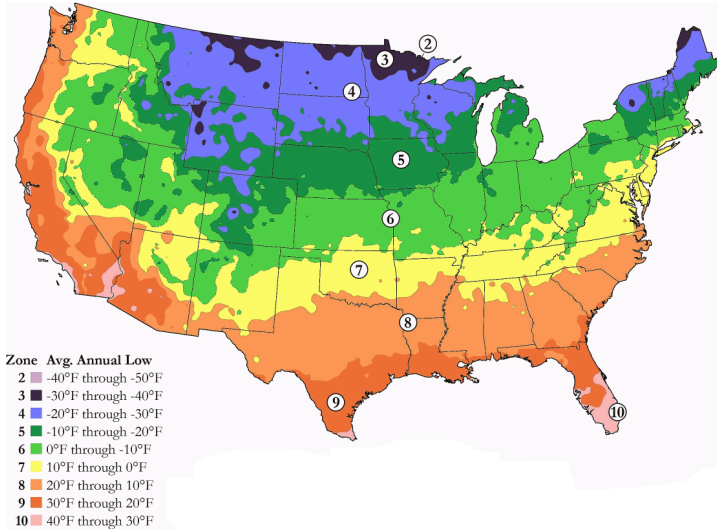
Bamboo house



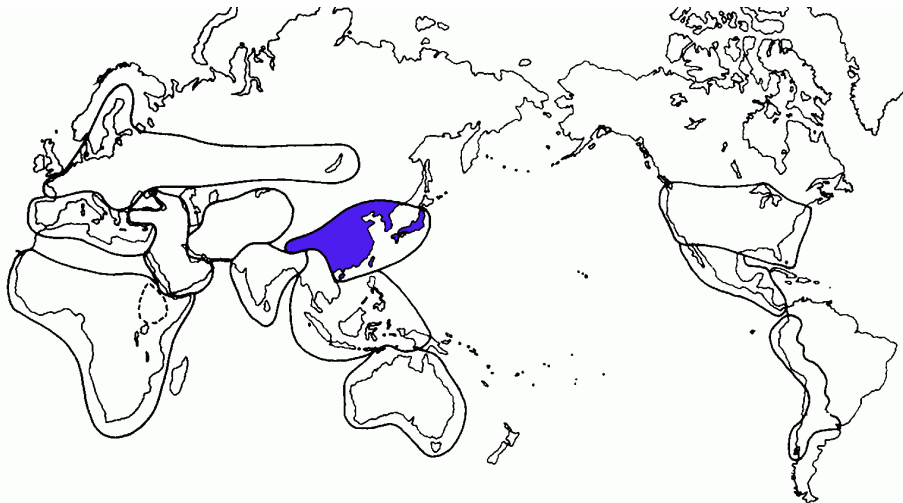
Hardiness zones

- Determined from average lowest temperature
- North Dakota belongs to 3/4 zones

Hardiness zones in U.S.



East Asian center



East Asian center: main food

- Rice
- Soybeans

East Asian center: fruits and vegetables

- Peach
- Orange
- Radish

East Asian center: sugar and oil

- Tung

East Asian center: spices and drinks

- Tea
- Camphor tree

East Asian center: medicinal

- Ginseng
- Ginkgo

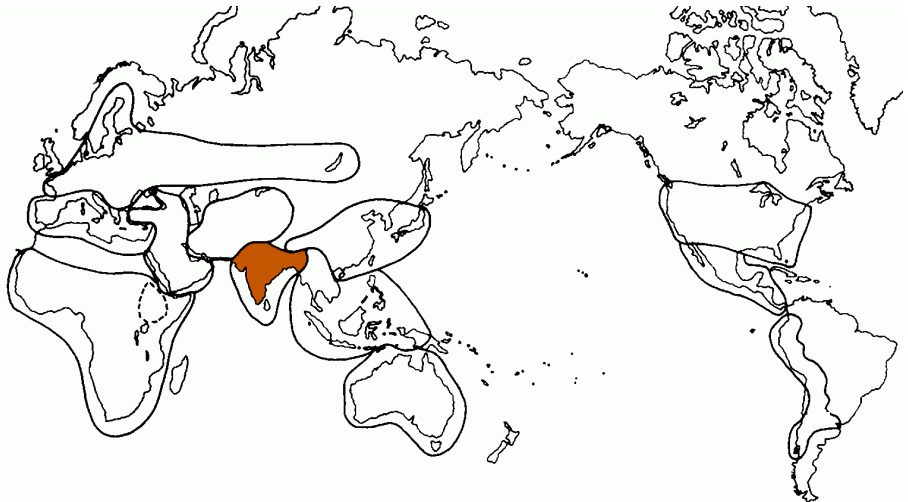
East Asian center: technical

- Bamboos
- Gutta percha

East Asian center: ornamental

- Chrysanthemum
- Ornamental maples

South Asian (Indian) center



South Asian (Indian) center: main food

- Buckwheat
- Chickpea

South Asian (Indian) center: fruits and vegetables

- Mango
- Cucumber

South Asian (Indian) center: sugars and oils

- Sugarcane
- Sesame

South Asian (Indian) center: spices and drinks

- Black pepper
- Cinnamon

South Asian (Indian) center: technical

- Jute
- Cotton (partly)

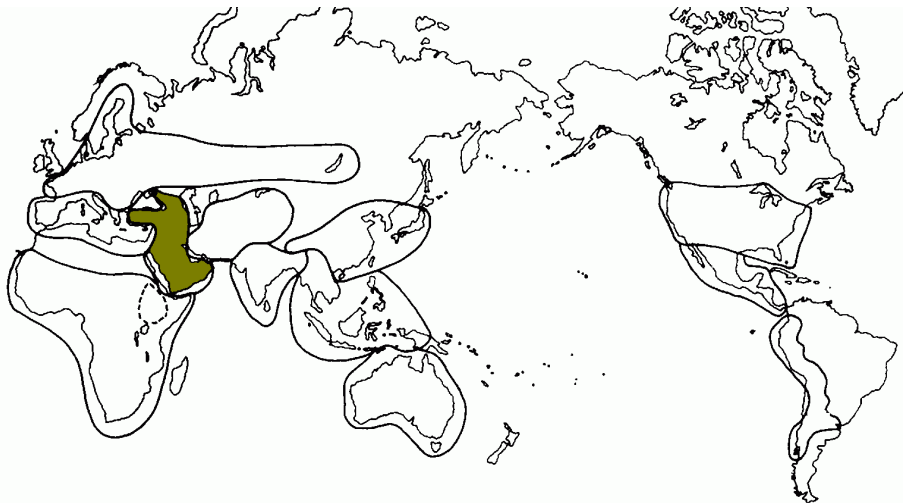
South Asian (Indian) center: medicinal

- Turmeric
- Gotu kola

South Asian (Indian) center: ornamental

- Rhododendron
- Ficus

West Asian center



West Asian center: main food

- Wheat (partly)
- Lentils

West Asian center: fruits and vegetables

- Grapes
- Pomegranate
- Walnut

West Asian center: spices and drinks

- Coriander
- Cumin

West Asian center: technical

- Alfalfa

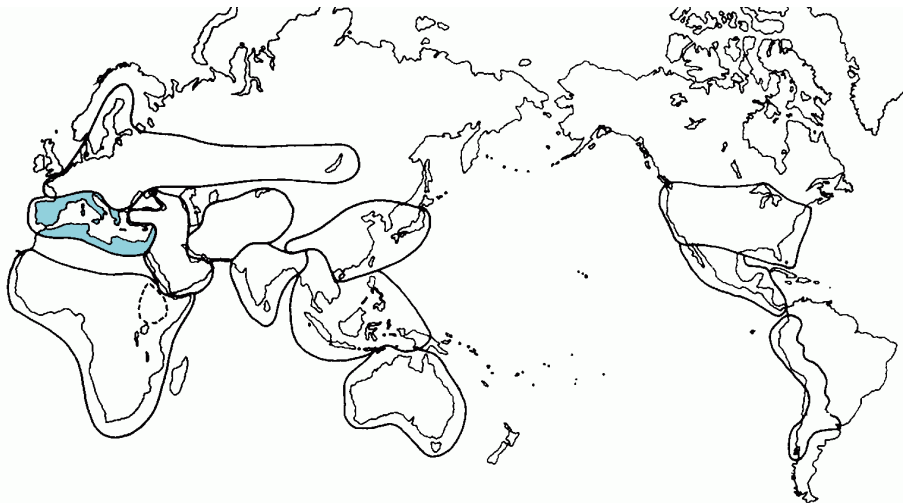
West Asian center: medicinal

- Chamomile
- Senna

West Asian center: ornamental

- Rose
- Tulip
- Carnation

Mediterranean center



Mediterranean center: main food

- Barley
- Oats

Mediterranean center: fruits and vegetables

- Cabbage
- Pear

Mediterranean center: sugars and oils

- Sugar beet
- Olive

Mediterranean center: spices and drinks

- Dill
- Bay leaf

Mediterranean center: technical

- Flax
- Clover

Mediterranean center: medicinal

- Deadly nightshade
- Autumn crocus

Mediterranean center: ornamental

- Lilac
- Primrose

African (Ethiopian) center



African (Ethiopian) center: main food

- Sorghum

African (Ethiopian) center: fruits and vegetables

- Watermelon
- Date palm

African (Ethiopian) center: sugars and oils

- Castor
- Oil palm

African (Ethiopian) center: spices and drinks

- Coffee

African (Ethiopian) center: technical

- Gourd

African (Ethiopian) center: medicinal

- Aloe
- Madagascar periwinkle

African (Ethiopian) center: ornamental

- Geranium
- Gerbera

Central American (Mexican) center



Central American (Mexican) center: main food

- Corn
- Beans

Central American (Mexican) center: fruits and vegetables

- Avocado
- Squash

Central American (Mexican) center: sugars and oils

- Sunflower

Central American (Mexican) center: spices and drinks

- Red pepper

Central American (Mexican) center: technical

- Cochineal

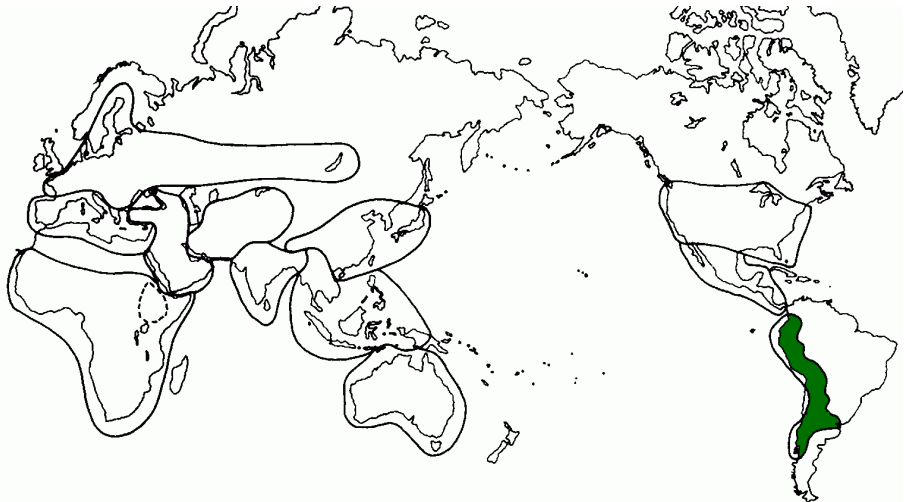
Central American (Mexican) center: medicinal

- Quassia

Central American (Mexican) center: ornamental

- Marigold
- Cacti

South American (Andean) center



South American (Andean) center: main food

- Potato
- Sweet potato

South American (Andean) center: fruits and vegetables

- Pineapple
- Tomato

South American (Andean) center: sugars and oils

- Peanut

South American (Andean) center: spices and drinks

- Cocoa
- Vanilla

South American (Andean) center: technical

- Para rubber tree

South American (Andean) center: medicinal

- Quina
- Ipecac

South American (Andean) center: ornamental

- Canna
- Bromeliads

For Further Reading



A. Shipunov.

Ethnobotany [Electronic resource]. 2011—onwards.

Mode of access:

http://ashipunov.info/shipunov/school/biol_310