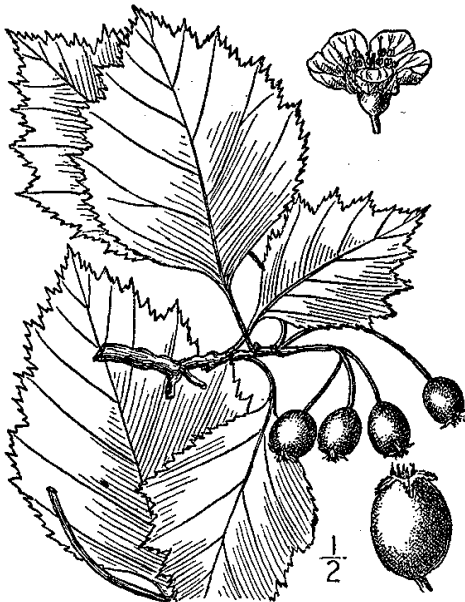


BRAINERD'S HAWTHORN

Crataegus brainerdii Sarg.

Plant Symbol = CRBR3

Contributed By: USDA NRCS National Plant Data Center



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Uses

Erosion Control: Because it tolerates a wide variety of sites, it can be planted to stabilize banks, for shelterbelts, and for erosion control.

Timber: Although the wood is hard and strong, it has no commercial value except for tool handles and other small items.

Wildlife: It provides excellent cover and nesting sites for many smaller birds. The small fruits are eaten by birds, rodents and other smaller mammals. White tailed deer browse the young twigs and leaves.

Beautification: Excellent for environmental plantings including small specimen tree, shrub border.

Status

Please consult the Plants Web site and your State Department of Natural Resources for this plant's current status, such as, state noxious status and wetland indicator values.

Description

Shrub or small tree that grows to thirty feet tall and seven inches in diameter at breast height, with thorns 1.2-1.6 inches along the branchlets. Leaves are broadest near the base, sometimes triangular shaped, shallowly lobed, hairy at first becoming smooth at maturity. Flowers in clusters of three to fifteen. Fruits are globe-shaped to broadest above the mid-section, usually bright red with juicy flesh.

Description: Brainerd's hawthorn is a native to Quebec and New England to North Carolina and west to Michigan.

Adaptation

Although *Crataegus brainerdii* will succeed in partial shade and different soil types, it grows best in full sunlight, well-drained loamy soils. Brainerd's hawthorn will tolerate wet soils becoming drought tolerant once established. It is also wind tolerant making it a good tree species in shelterbelt planting. It is also tolerant of atmospheric pollution and performs well in urban settings.

Establishment

Propagation from Seed or Grafting: Brainerd's hawthorn can be propagated by either seeds or grafting. Successful propagation using seeds requires acid scarification followed by warm stratification and prechilling. Seeds, whose numbers per lb. varies with species, are planted early in the fall, in drill rows eight to twelve inches apart and covered with 1/4 inch of soil. Seedlings must not be kept in the nursery longer than a year.

Containerized trees should be planted when they are no more than eight feet tall, in the fall or spring. Balled and burlapped trees should be planted in early spring.

Grafting on seedling stock of *Crataegus oxyacantha* or *Crataegus monogyna* is best carried out in the winter to early spring.

Management

Pruning should be done in the winter or early spring in order to maintain a clear shoot leader on young trees and/or remove the weakest branches to allow more light to pass through. Suckers or stems arising from the roots should be removed when they become noticeable.

Pest and Potential Problems

Although pests and diseases seldom affect it, it is susceptible to fireblight, cedar-hawthorn rust, cedar-quince rust, leaf blight and fruit rot, and leaf spot.

Cultivars, Improved and Selected Materials (and area of origin)

Consult your local nurseries to choose the right cultivar for your specific landscape. Contact your local Natural Resources Conservation Service (formerly Soil Conservation Service) office for more information. Look in the phone book under "United States Government." The Natural Resources Conservation Service will be listed under the subheading "Department of Agriculture."

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