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# Tree Species Information Book

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# Apricot

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**Scientific Name:** *Prunus armeniaca*

**Hardiness Zones:** 3

**Growth Rate:** Fast

**Site Requirements:** full sun

**Soil:** fertile well-drained soil, not drought tolerant, avoid low areas

**Form:** small to medium sized tree with spreading canopy, kept under 12' in cultivation, capable of reaching 45 feet in native range

**Height:** 15 - 25 feet

**Width:** 15 - 20 feet

**Flower/Fruit:** landscape tree with attractive leaves and early pink or white flowers. Large, smooth, orange-gold fruit

**Comments:** blooms early, fresh apricots in summer



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# Arrowwood

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**Scientific Name:** *Viburnum dentatum*

**Other Names:** Blue Muffin® viburnum

**Hardiness Zones:** 2 to 8

**Growth Rate:** Slow

**Site Requirements:** Moist, well drained, not tolerant of drought, full - part sun

**Soil:** Prefers acidic soils, adapts to variety of soils

**Form:** Multi-stemmed with dense, upright arching trunks

**Height:** 6 -10 feet

**Width:** 6 -15 feet

**Flower/Fruit:** White creamy flowers, birds like blue fruit

**Comments:** native, leaves are yellow-red in the fall



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# Ash, Green

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**Scientific Name:** *Fraxinus pennsylvanica*

**Hardiness Zones:** 3 to 9

**Growth Rate:** Rapid

**Site Requirements:** Full Sun, moderate drought tolerance

**Soil:** wide range of soil

**Form:** medium-sized tree with an irregular crown

**Height:** 35 - 65 feet

**Width:** 30 - 40 feet

**Flower/Fruit:** Elongated, winged, single-seeded samara borne in clusters; large seed crops produced each year

**Comments:** Excellent wildlife value, noted for being extremely tolerant to many types of environmental stresses





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# Ash, Mountain

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**Scientific Name:** *Sorbus americana*

**Hardiness Zones:** 2 to 6

**Growth Rate:** Slow

**Site Requirements:** Sun

**Soil:** moist/ medium, range of soil types, dislikes dry soil

**Form:** Short trunk with spreading branches, narrow open rounded crown with age

**Height:** 10 - 30 feet

**Width:** 15 feet

**Flower/Fruit:** White flowers, bright red to orange red berries in fall that last into the winter

**Comments:** Native, short lived, fruit attracts birds



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## Ash, White

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**Scientific Name:** *Fraxinus americana*

**Hardiness Zones:** 4 - 9

**Growth Rate:** Rapid

**Site Requirements:** full sun, salt tolerant, not drought tolerant

**Soil:** Rich, well drained

**Form:** Upright, oval form

**Height:** 40 - 70 feet

**Width:** 40 - 50 feet

**Flower/Fruit:** Elongated, winged, single-seeded samara in large clusters, large seed crops produced each year

**Comments:** Native, maroon-purple fall color, excellent shade tree, hard wood great for baseball bats



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# Aspen, Bigtooth

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**Scientific Name:** *Populus Grandidentata*

**Hardiness Zones:** 1-6

**Growth Rate:** Rapid

**Site Requirements:** Full Sun

**Soil:** Sand-Loam, Well Drained

**Form:** Narrow to rounded

**Height:** 50-75 Feet

**Width:** Varies

**Flower/Fruit:** Produces seeds from the flower clusters known as catkins, the seed is distributed widely by the wind.

**Comments:** large toothed leaves, and is not a good tree for home landscapes because it has problems with pests.





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# Aspen, Quaking

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**Scientific Name:** *Populus tremuloides*

**Hardiness Zones:** 1 to 7

**Growth Rate:** Fast

**Site Requirements:** full sun

**Soil:** acidic, loamy, moist, sandy, well drained, clay soils, prefers abundant moisture

**Form:** Oval shape

**Height:** 40 - 50 feet

**Width:** 20 - 30 feet

**Flower/Fruit:** Tiny, fluffy seeds that are easily carried by wind, Silvery in color and blooms April to May

**Comments:** a slight breeze will cause leaves to tremble or "quake", thus the name. Unaided, this tree has restored many of the forests that man has destroyed, when cultivated, has replenished many harvested forests within 50 years.



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# Beech, American

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**Scientific Name:** *Fagus grandifolia*

**Hardiness Zones:** 4 to 9

**Growth Rate:** Medium

**Site Requirements:** full sun

**Soil:** acidic, loamy, moist, sandy, well drained, clay soils

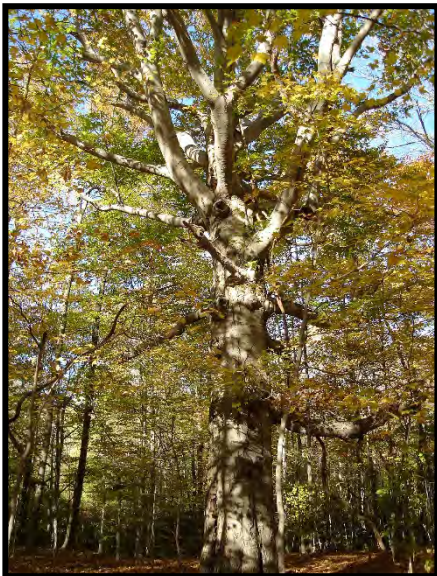
**Form:** dense, oval spreading canopy

**Height:** 50 – 80 feet

**Width:** 40 - 80 feet

**Flower/Fruit:** insignificant blooms April to May, showy edible triangular fruit called beechnuts.

**Comments:** Native to Eastern U.S., fruit eaten by birds and mammals, smooth bark





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## Beech, Blue

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**Scientific Name:** *Carpinus Caroliniana*

**Hardiness Zones:** 4-9

**Growth Rate:** Slow to Medium

**Site Requirements:** Partial shade to full sun

**Soil:** Sand-Loam, Adaptable

**Form:** Grows in an oval shape, needs plenty of space

**Height:** 20-35 Feet

**Width:** 20 Feet

**Flower/Fruit:** Beechnuts are eaten by birds and mammals, serving as an important food for chipmunks and squirrels

**Comments:** Unique smooth bark, bronze fall color



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# Birch, Paper

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**Scientific Name:** *Betula papyrifera*

**Hardiness Zones:** 2 to 7

**Growth Rate:** Moderate to fast

**Site Requirements:** Full sun to part shade, some drought tolerance

**Soil:** acidic, loamy, moist, sandy, well drained, clay soils

**Form:** Oval shape

**Height:** 50 - 70 feet

**Width:** 35 feet

**Flower/Fruit:** Flowers are brown or green, bloom in April to May, fruit is elongated, 1 to 3 inches, brown, attractive to wildlife

**Comments:** romance of the north woods, for its bark in canoe construction, as fire-starter, notepad.



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## Birch, River

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**Scientific Name:** *Betula nigra*

**Hardiness Zones:** 4 to 9

**Growth Rate:** Moderate to fast

**Site Requirements:** Full sun

**Soil:** Acidic, loamy, moist, sandy, well drained, wet, clay soils, doesn't like very alkaline soil

**Form:** Oval, pyramidal, upright or erect shape

**Height:** 40 - 70 feet

**Width:** 40 - 60 feet

**Flower/Fruit:** Flowers are brown or green, bloom in April to May, fruit is elongated, 1 to 3 inches long

**Comments:** became a popular landscape tree for its distinctive bark and graceful crown





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## Birch, Whitespire

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**Scientific Name:** *Betula populifolia*

**Other Names:** white birch, grey birch

**Hardiness Zones:** 3 to 6

**Growth Rate:** Fast

**Site Requirements:** Full to partial sun

**Soil:** wide range, medium to wet

**Form:** Pyramidal

**Height:** 30 - 40 feet

**Width:** 20 - 25 feet

**Flower/Fruit:** catkins

**Comments:** snowy white bark and good fall color, east coast native



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# Birch, Yellow

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**Scientific Name:** *Betula alleghaniensis*

**Other Names:** Golden birch

**Hardiness Zones:** 3 to 7

**Growth Rate:** Fast

**Site Requirements:** Full to partial sun

**Soil:** widely adaptable

**Form:** rounded

**Height:** 60 – 75 feet

**Width:** 35 -50 feet

**Flower/Fruit:** Catkins

**Comments:** Native to Eastern MN and NE U.S. Wintergreen odor and taste of young twigs. Yellow fall color. Shiny-golden peeling bark.





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# Buffaloberry

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**Scientific Name:** *Shepherdia argentea*

**Other Names:** Silver buffaloberry, thorny buffaloberry

**Hardiness Zones:** 3 to 7

**Growth Rate:** Slow

**Site Requirements:** Full sun

**Soil:** alkaline, saline, moist – well drained

**Form:** Rounded shape

**Height:** 6 – 16 feet

**Width:** 5 - 20 feet

**Flower/Fruit:** early yellowish flowers, reddish spherical berry-like drupe about 1/4". Fruit ripens in fall.

**Comments:** Dioecious shrub, native to the northern great plains, berry is food for many animals including sharptailed grouse. Thicket forming, and thorny branches provide song bird nesting habitat, berries are used for jelly, fixes nitrogen thus can sustain on quite poor soils.



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# Butternut

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**Scientific Name:** *Juglans cinerea*

**Hardiness Zones:** 3 to 7

**Growth Rate:** Slow

**Site Requirements:** Full sun

**Soil:** acidic, alkaline, loamy, moist, rich, sandy, silty loam, well drained, wet, clay soils

**Form:** Rounded shape

**Height:** 40 - 60 feet

**Width:** 35 - 50 feet

**Flower/Fruit:** A tapered, oblong, 1 1/2"-2 1/2" fruit covered with sticky hairs encloses a brown, corrugated, thick, 1"-1 1/2" shell that terminates in a point, oval kernel is tender with sweet, oily, buttery flavor. Nut production occurs in 7-10 years, harvested in late October.

**Comments:** North American native, nut has a rich, buttery flavor used in baking, confections, and eating fresh, attractive, light golden wood used for paneling and furniture, great wildlife tree



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# Buttonbush

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**Scientific Name:** *Cephalanthus occidentalis*

**Hardiness Zones:** 4 to 9

**Growth Rate:** Slow

**Site Requirements:** Full to partial sun

**Soil:** moist to wet soils

**Form:** Rounded shape

**Height:** 6 -12 feet

**Width:** 4 - 8 feet

**Flower/Fruit:** June, aromatic, attractive white ball shaped flower clusters, developing balls of nutlets

**Comments:** Native to SE MN, and Southern and Eastern U.S. Showy wetland shrub, great nectar source for pollinators.





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# Catalpa, Northern

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**Scientific Name:** *Catalpa speciosa*

**Other Names:** Cigar tree

**Hardiness Zones:** 4 to 8

**Growth Rate:** Moderate

**Site Requirements:** full – part sun

**Soil:** variable

**Form:** irregular open rounded narrow crown

**Height:** 40 - 70 feet

**Width:** 20 - 50 feet

**Flower/Fruit:** Late spring white flower clusters resembling orchids. Fruit are long bean like pods persisting through winter.

**Comments:** large, broad, heart-shaped leaves. Long lived tree. Sturdy straight trunk with a tight irregular stout branching. Pods are abundant every 3-4 years.



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## Cedar, Eastern Red

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**Scientific Name:** *Juniperus virginiana*

**Hardiness Zones:** 2 to 9

**Growth Rate:** Moderate

**Site Requirements:** full sun, drought tolerant

**Soil:** does well in moist, well-drained, sandy, silt loam, clay soils

**Form:** Dense pyramidal shape excellent for windbreaks and screens

**Height:** 40 - 50 feet

**Width:** 8 - 20 feet

**Flower/Fruit:** Female cones are ovoid, 1/4" across, ripening in one year, abundant in shiny colors of brown to blue, male staminate cones are yellow-brown and borne on separate plants.

**Comments:** twigs and foliage are eaten by browsers, fruit eaten by cedar waxwings, birds love berries, medium evergreen foliage provides nesting and roosting cover for many species of birds.



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## Cedar, White

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**Scientific Name:** *Thuja occidentalis*

**Other Names:** American Arborvitae

**Hardiness Zones:** 3 to 7

**Growth Rate:** Slow to moderate

**Site Requirements:** Full sun, drought tolerant

**Soil:** acid, wide range

**Form:** Pyramidal shape

**Height:** 40 - 60 feet

**Width:** 10 - 15 feet

**Flower/Fruit:** Cone

**Comments:** Provides shelter in the winter and nesting sites for wildlife, browse for deer, cottontail rabbits, snowshoe hares and moose, seeds eaten by red squirrels, birds, decay resistant wood





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# Cherry, Black

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**Scientific Name:** *Prunus serotina*

**Hardiness Zones:** 2-8

**Growth Rate:** Moderate

**Site Requirements:** Full to part sun

**Soil:** Prefers light, sandy soil but grows in moist, well-drained soil

**Form:** Pyramidal shape

**Height:** 50 - 75 feet

**Width:** 20- 30 feet

**Flower/Fruit:** Fragrant white flowers in spring, fruit  $\frac{1}{4}$  to  $\frac{1}{2}$  in. diameter, purplish black, bears early, ripening from mid-June to early July

**Comments:** Native tree, cherries are eaten by a variety of birds and mammals, leaves and branches are browsed



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# Cherry, Canada Red

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**Scientific Name:** *Prunus virginiana* 'Canada red'

**Other Names:** Canada Red Chokecherry

**Hardiness Zones:** 2 to 6

**Growth Rate:** Fast

**Site Requirements:** extremely hardy and drought tolerant. full - partial sun

**Soil:** Well drained loams, alkaline soil

**Height:** 20 - 25 feet

**Width:** 18 - 25 feet

**Flower/Fruit:** Distinguishing purple foliage, new growth is green. Clusters of white flowers in spring, berries maroon colored, quite juicy with sweet flavor when ripe

**Comments:** Good wildlife value, vigorous growth, berries when ripe can be used for jellies, jams and wine, cultivar of common chokecherry



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## Cherry, Nanking

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**Scientific Name:** *Prunus tomentosa*

**Hardiness Zones:** 2 to 7

**Growth Rate:** Moderate

**Site Requirements:** Full Sun

**Soil:** well-drained soil, tolerant of drought and grows under semi-arid conditions

**Form:** upright, rounded, broad-spreading dense shrub becoming more open and irregular with age

**Height:** 6 - 10 feet

**Width:** 15 feet

**Flower/Fruit:** Pinkish buds change to pale pink to white, 3/4" fragrant flowers, edible fruits are scarlet, 1/3" across, nearly round ripening in June to August

**Comments:** Winter hardy, native to China, provides habitat and the fruit attract birds and other wildlife.





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# Cherry, Pin

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**Scientific Name:** *Prunus pennsylvanica*

**Hardiness Zones:** 3 to 9

**Growth Rate:** Rapid

**Site Requirements:** Full Sun

**Soil:** adaptable to wide variety, not poorly drained sites

**Form:** Pyramidal shape

**Height:** 25 - 40 feet

**Width:** 10 - 20 feet

**Flower/Fruit:** Small and white in flat-topped clusters of 5 to 7 flowers. Small, round, bright red cherries, sour-tasting flesh

**Comments:** responds well to clipping and/or browsing



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# Chestnut, Chinese

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**Scientific Name:** *Castanea mollissima*

**Other Names:**

**Hardiness Zones:** 4 to 8

**Growth Rate:** medium

**Site Requirements:** Full sun

**Soil:** prefers well drained, variable soils

**Form:** open rounded crown

**Height:** 40-60 feet

**Width:** 40-60 feet

**Flower/Fruit:** White flowers in spring which are followed in early autumn by blackish purple, blueberry-sized fruits usually do not persist into winter

**Comments:** It is known for its edible nuts and resistance to the blight that has been detrimental to its eastern U.S. native cousin the American Chestnut. Subtle flowers can be quite showy for a short time. Unique prickly fruit contains up to four nuts attractive to wildlife. Does well in heat and humidity.





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## Chokeberry, Black

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**Scientific Name:** *Aronia melanocarpa*

**Other Names:** Aronia berry

**Hardiness Zones:** 3 to 8

**Growth Rate:** Fast

**Site Requirements:** Full sun to part shade

**Soil:** prefers average, medium, well-drained soil. Tolerant of wide variety, including: dry and boggy

**Form:** open, upright, spreading, somewhat rounded but leggy

**Height:** 3 - 6 feet

**Width:** 3 - 6 feet

**Flower/Fruit:** White flowers in spring which are followed in early autumn by blackish purple, blueberry-sized fruits usually do not persist into winter

**Comments:** technically edible, fruit is extremely tart and bitter, not recommended for eating off the bush (hence the name chokeberry), may be used for making tasty jams and jellies.



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## Chokecherry, Common

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**Scientific Name:** *Prunus virginiana*

**Hardiness Zones:** 2 to 6

**Growth Rate:** Moderate to rapid

**Site Requirements:** Full to part sun, extremely adaptable, drought tolerant

**Soil:** Prefers moist to dry loams

**Form:** Oval rounded crown, crooked stems, dense

**Height:** 20 - 30 feet

**Width:** 10 - 20 feet

**Flower/Fruit:** White flowers in spring, red fruit turns black

**Comments:** One of the most important plants for wildlife food and cover, suckering habit creates thickets, fruit is great for jelly





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# Coffeetree, Kentucky

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**Scientific Name:** *Gymnocladus dioicus*

**Hardiness Zones:** 3 to 8

**Growth Rate:** Moderate

**Site Requirements:** Full sun

**Soil:** Adaptable, prefers rich, moist, such as bottomland

**Form:** Oval irregular form with open branches

**Height:** 60 - 70 feet

**Width:** 40 - 50 feet

**Flower/Fruit:** Greenish-white 1" flowers, hard shelled beans contained in flat heavy thick walled 5-10" pods.

**Comments:** Dioecious, native to SE MN, gray scaly bark, leaves are doubly compound thus one leaf can be 3' long, 2' wide with many leaflets, taproot, yellow fall color. Bare tree in winter provides good light penetration, leaves in summer provide filtered shade. Provide nectar to pollinators such as bumblebees, butterflies and hummingbirds.



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## Crabapple, Red Splendor

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**Scientific Name:** *Malus 'red splendor'*

**Hardiness Zones:** 3 - 8

**Growth Rate:** medium

**Site Requirements:** Full sun, moderate drought tolerance

**Soil:** Heavy loams, adaptable

**Form:** Tall and spreading

**Height:** 15 - 20 feet

**Width:** 10 - 15 feet

**Flower/Fruit:** Bright red 1/2 inch fruit

**Comments:** provide fair cover and high quality fruit and browse for many birds and mammals. Rodents and rabbits can destroy trees by girdling the stem or trunk. Great for early pollinators!





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## Crabapple, Dolgo

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**Scientific Name:** *Malus 'Dolgo'*

**Hardiness Zones:** 3 - 9

**Growth Rate:** medium

**Site Requirements:** Full sun, moderate drought tolerance

**Soil:** Heavy loams, adaptable

**Form:** Tall and spreading

**Height:** 15 - 20 feet

**Width:** 10 - 15 feet

**Flower/Fruit:** White to pink early spring flowers, heavy crop of 1.5" red fruit

**Comments:** Cold Tolerant, disease resistant provides high quality fruit and browse for many birds and mammals. Fruit ripens in August/ September with slow drop through December. Rodents and rabbits can destroy trees by girdling the stem or trunk. Great for early pollinators!



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## Cranberrybush, American

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**Scientific Name:** *Viburnum trilobum*

**Other Names:** Highbush Cranberry, Cranberry Viburnum

**Hardiness Zones:** 2 to 9

**Growth Rate:** Moderate

**Site Requirements:** full sun to shade, drought tolerance

**Soil:** wide variety

**Form:** Rounded shape

**Height:** 8 - 12 feet

**Width:** 8 – 12 feet

**Flower/Fruit:** Showy, snow-white, flat-topped flowers are 3"-4 1/2" in diameter that bloom in mid to late May. Beginning in September, bright red fruits

**Comments:** Excellent fall foliage color, yellow, red, orange or burgundy, native shrub, white flowers blooming in early June. Edible red drupe maturing in September. Excellent wildlife value, food for birds and wildlife, foliage emerges with a tinge of red in the spring





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## Currant, American Black

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**Scientific Name:** *Ribes americanum*

**Other Names:** wild black currant

**Hardiness Zones:** 4 to 8

**Growth Rate:** Moderate

**Site Requirements:** partial to full sun

**Soil:** moist soils, open woods, stream banks

**Form:** shrub, loose upright shape

**Height:** 6 - 8 feet

**Width:** 4 - 6 feet

**Flower/Fruit:** spicy scented racemes of yellow flowers turn orange with age and bloom from April to July, produces red – purple fruit

**Comments:** Native shrub. Flowers are bell shaped, occur in clusters, and provide spring nectar to hummingbirds, butterflies, and bees. Fruit provides food for birds and other wildlife.





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## Currant, Golden

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**Scientific Name:** *Ribes aureum*

**Other Names:** buffalo currant

**Hardiness Zones:** 4 to 8

**Growth Rate:** Moderate

**Site Requirements:** partial to full sun

**Soil:** very adaptable plant, tolerating standing water to drought

**Form:** shrub, upright shape becoming leggy

**Height:** 6 - 8 feet

**Width:** 4 - 6 feet

**Flower/Fruit:** spicy scented racemes of yellow flowers turn orange with age and bloom from April to July, produces red – purple fruit

**Comments:** Flowers provide nectar to hummingbirds, butterflies and bees, native shrub, birds, bears and rodents eat the fruit



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# Dogwood, Gray

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**Scientific Name:** *Cornus recemosa*

**Hardiness Zones:** 4 to 8

**Growth Rate:** Rapid

**Site Requirements:** Full to partial sun

**Soil:** variety of soils, moist to dry

**Form:** medium sized shrub, root suckers spread to form thickets up to 10 feet tall, less than 6 feet is typical

**Height:** 5 -10 feet

**Width:** 5 – 10 feet

**Flower/Fruit:** Small, dull white flowers in cluster; white berry, 1/4 to 1/3 inch in diameter

**Comments:** Excellent wildlife value, foliage reddish purple in fall, Red stems visible after leaf drop.





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## Dogwood, Redosier

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**Scientific Name:** *Cornus sericea*

**Other Names:** Red twigged dogwood, redstem dogwood

**Hardiness Zones:** 2 to 7

**Growth Rate:** Rapid

**Site Requirements:** Full to partial sun, poor drought resistance

**Soil:** variety of soils, prefers wet to moist loamy soils

**Form:** Small to medium sized shrub with numerous stems forming thickets up to 15 feet tall

**Height:** 5 - 8 feet

**Width:** 5 - 8 feet

**Flower/Fruit:** Small, dull white flowers in flat top cluster; dull white berry, 1/4 to 1/3 inch in diameter in rounded clusters

**Comments:** Excellent wildlife value, foliage reddish purple in fall





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## Dogwood, Silky

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**Scientific Name:** *Cornus Amomum*

**Hardiness Zones:** 5-8

**Growth Rate:** Rapid

**Site Requirements:** Full to partial sun, Poor drought resistance

**Soil:** Loamy- Wet/ Moist

**Form:** Small to medium sized shrub with numerous stems forming thickets up to 15 feet tall

**Height:** 4-10 Feet

**Width:** 6-10 Feet

**Flower/Fruit:** White berries will ripen to blue in color, Dark red branches are attractive in winter

**Comments:** Excellent wildlife value, Attracts birds, blossoms in the spring



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# Elderberry, American

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**Scientific Name:** *Sambucus canadensis*

**Hardiness Zones:** 4 to 8

**Growth Rate:** Fast

**Site Requirements:** partial to full sun

**Soil:** variety of conditions, wet and dry, prefers rich, moist, slightly acid soils

**Form:** Rounded to upright shape

**Height:** 6 - 12 feet

**Width:** 6 - 10 feet

**Flower/Fruit:** white summer flowers, produces a black fruit in fall

**Comments:** Great wildlife value. **Warning:** Plant parts and raw berries are toxic to humans and animals; especially dangerous for children. Whistles made from the stems have been implicated in poisonings. Sensitivity to a toxin varies with a person's age, weight, physical condition, and individual susceptibility. Toxicity can vary in a plant according to season, the plant's different parts, and its stage of growth.





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## Fir, Balsam

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**Scientific Name:** *Abies balsamea*

**Hardiness Zones:** 3 to 5

**Growth Rate:** Slow

**Site Requirements:** Full sun to light shade

**Soil:** Range from silt loams to stony loams, grows slowly in gravelly sands and peat bogs

**Form:** wide base and a narrow top that ends in a slender, spire like top

**Height:** 40 - 70 feet

**Width:** 20 - 25 feet

**Flower/Fruit:** male and female flowers are found on the same branch. Cones are 2 to 4 inches long, purplish in color, and stand erect on branches.

**Comments:** “Christmas tree” Moose and whitetail deer browse the foliage, while chickadees, nuthatches, squirrels and porcupines eat the seeds. The spruce grouse uses fir forests for cover and eat the needles.





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## Fir, White

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**Scientific Name:** *Abies concolor*

**Other Names:** Concolor Fir

**Hardiness Zones:** 3 to 7

**Growth Rate:** Slow to medium

**Site Requirements:** Full Sun, can withstand light shade

**Soil:** acidic, loamy, moist, sandy, and well drained. Does not tolerate heavy clay soil

**Form:** Pyramidal

**Height:** 30 - 50 feet

**Width:** 15 - 25 feet

**Flower/Fruit:** Cones

**Comments:** Great alternative to Colorado spruce, well adapted to hot, dry summers, wildlife eat buds and needles, good roosting tree for birds



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## Fir, Douglas

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**Scientific Name:** *Pseudotsuga Menziesii*

**Hardiness Zones:** 4-6

**Growth Rate:** Rapid

**Site Requirements:** Full sun to partial shade

**Soil:** Loamy- Well Drained

**Form:** Crown shape

**Height:** 75-100 Feet

**Width:** 30 Feet

**Flower/Fruit:** Unique cones, inconspicuous and not showy

**Comments:** Does not attract wildlife, no significant litter problems, also is occasionally a specimen in the landscape



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## Gum, Black

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**Scientific Name:** *Nyssa sylvatica*

**Alternative name:** Black tupelo, sour gum

**Hardiness Zones:** 3 to 9

**Growth Rate:** medium

**Site Requirements:** Full to part sun

**Soil:** wide range, clay, wet, poorly drained.

**Form:** pyramidal shape

**Height:** 30 - 50 feet

**Width:** 20 – 30 feet

**Flower/Fruit:** small greenish inconspicuous spring flowers, ½” bluish-black fruit ripens late Sept, attractive to birds.

**Comments:** Native to eastern U.S., dioecious tree, long tap root, smooth glossy green foliage, abundant fruit eaten by birds and mammals, great nectar plant for bees, brilliant red-maroon fall color.





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# Hackberry

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**Scientific Name:** *Celtis occidentalis*

**Hardness Zones:** 3 to 9

**Growth Rate:** Fast

**Site Requirements:** full sun

**Soil:** Clay, loam, sand, acidic, alkaline, extended flooding, well-drained

**Form:** Moderate, round vase shaped

**Height:** 40 - 60 feet

**Width:** 40 - 60 feet

**Flower/Fruit:** Black, purple, and red - round and fleshy 1/3" diameter

**Comments:** Hackberry is planted as a street tree in Midwestern cities because of its tolerance to a wide range of soil and moisture conditions.



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# Hawthorn, Cockspur

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**Scientific Name:** *Crataegus crus-galli*

**Hardiness Zones:** 3 to 7

**Growth Rate:** Moderate

**Site Requirements:** Full Sun

**Soil:** wide range, well drained

**Form:** pyramidal shape

**Height:** 25 - 30 feet

**Width:** 25 - 30 feet

**Flower/Fruit:** showy fragrant pinkish white spring flowers, reddish fruit 1/4" in diameter

**Comments:** Native to Eastern U.S., thorny branches, abundant and persistent fruit eaten by birds and mammals, important nectar plant for bees.



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# Hawthorn, Washington

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**Scientific Name:** *Crataegus phaenopyrum*

**Hardiness Zones:** 3 to 8

**Growth Rate:** Moderate

**Site Requirements:** Full Sun

**Soil:** wide range

**Form:** pyramidal shape

**Height:** 25 - 30 feet

**Width:** 25 feet

**Flower/Fruit:** flowers in early June, bright red fruit 1/4" in diameter

**Comments:** Very attractive to birds, abundant fruit eaten by birds and mammals, important nectar plant for bees





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# Hazelnut, American

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**Scientific Name:** *Corylus americana*

**Other Names:** American filbert

**Hardiness Zones:** 4 to 9

**Growth Rate:** Medium to Fast

**Site Requirements:**

**Soil:** wide range

**Form:** Multi-stemmed shrub with a rounded top and an open, often wide-spreading base

**Height:** 15 - 18 feet

**Width:** 10 - 12 feet

**Flower/Fruit:** bears annual, abundant crops, small, sweet tasting nuts, bears in 2-3 years after planting, nuts are easy to crack and drop free of the husk when mature.

**Comments:** nuts are preferred by squirrels, deer, turkey, woodpeckers, pheasants, grouse, quail, and jay, male catkins are a food staple for ruffed grouse in winter



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# Hickory, Shagbark

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**Scientific Name:** *Carya ovata*

**Other Names:**

**Hardiness Zones:** 4 to 8

**Growth Rate:** Slow

**Site Requirements:** dry and wet soil conditions, prefers moist soils, humid climate

**Soil:** clayey soils

**Form:** Tall, straight trunk, open, narrow crown

**Height:** 60 - 100 feet

**Width:** 20 - 40 feet

**Flower/Fruit:** 1 ½ - 2'' nuts produced at 10 years old, has an outer husk that splits into four sections when ripe (early August), revealing the single, white, thin-shelled nut with edible kernel similar to pecan, lifespan over 200 years

**Comments:** Great for wildlife, shagbarks are commonly found in association with oak trees. Use the nuts in baked goods, cookies, cakes, salads and game dishes. Very strong hard wood.





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# Honeysuckle, Bush

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**Scientific Name:** *Diervilla lonicera*

**Hardiness Zones:** 3-7

**Growth Rate:** Rapid

**Site Requirements:** Full to partial sun, Tolerant drought resistance

**Soil:** Medium moisture, well drained soils

**Form:** Small, mound-shaped, deciduous shrub, exfoliating bark reveals orange inner bark and dark green leaves change from yellow to red in autumn

**Height:** 3-4 Feet

**Width:** 3-5 Feet

**Flower/Fruit:** Shrub border/ screen planting, suckers, fragrant flowers, small bell shaped flowers are yellow-green at first, becoming orange or purplish-red

**Comments:** Attracts hummingbirds, Butterflies, Deer resistant





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## Hop tree

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**Scientific Name:** *Ptelea trifoliata*

**Other Names:** Wafer ash, Common hoptree, stinking ash

**Hardiness Zones:** 4 - 9

**Growth Rate:** Rapid

**Site Requirements:** Full to part shade, drought resistance

**Soil:** moist to dry

**Form:** shrub or small tree with rounded crown

**Height:** 12 – 25 ft

**Width:** 10 – 15 ft

**Flower/Fruit:** June greenish flowers, round wafer like samaras

**Comments:** Native to Midwest, aromatic shrub or small tree. Sweet nectar attracts butterflies.



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# Indigo, False

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**Scientific Name:** *Amorpha fruticosa*

**Hardiness Zones:** 4 - 9

**Growth Rate:** Rapid

**Site Requirements:** Full to part sun

**Soil:** wet, moist

**Form:** shrub or small tree with loose, spreading branches

**Height:** 4 – 12 ft

**Width:** 6 – 15 ft

**Flower/Fruit:** Fragrant purple flowers April-June

**Comments:** spreading by suckers, Native to Midwest, aromatic shrub or small tree. Sweet nectar attracts butterflies.



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## Juneberry/Serviceberry

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**Scientific Name:** *Amelanchier alnifolia*

**Other Names:** 'Regent' serviceberry, Saskatoon, shadbush, shadblow, may cherry

**Hardiness Zones:** 2 to 7

**Growth Rate:** Slow

**Site Requirements:** Full sun to part shade, poor drought tolerance, does not withstand ponding

**Soil:** Prefers moist loams, high organic matter, will grow in light to heavy soils

**Form:** Hardy, medium to tall upright shrub

**Height:** 6 - 12 feet

**Width:** 6 - 8 feet

**Flower/Fruit:** Early white flowers in spring, dark red-purple berries, high quality wildlife food

**Comments:** Great for early pollinators, excellent wildlife value, Good screen planting and landscape borders





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# Lilac, Common Purple

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**Scientific Name:** *Syringa vulgaris*

**Hardiness Zones:** 2 to 8

**Growth Rate:** Fast

**Site Requirements:** Full sun, drought tolerant, does not withstand ponding

**Soil:** Adapted to a wide variety of soils

**Form:** hardy shrub with stout, spreading branches, oval irregularly rounded crown

**Height:** 10 - 15 feet

**Width:** 6 - 12 feet

**Flower/Fruit:** Showy purple, fragrant flowers

**Comments:** Spreads by suckering, your 'Grandma's' lilac bush



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## Lilac, Persian

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**Scientific Name:** *Syringa x persica*

**Hardiness Zones:** 3 to 7

**Growth Rate:** Rapid

**Site Requirements:** Sun, well-drained soil

**Soil:** Widely adaptable

**Form:** Upright; slightly arching branches

**Height:** 4 - 8 feet

**Width:** 4 - 6 feet

**Flower/Fruit:** Pale lilac flowers on 2 to 3" panicles on previous season's growth, fragrant

**Comments:** Very susceptible to mildew; prune to keep center open, later bloom than common lilac



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# Linden, American

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**Scientific Name:** *Tilia americana*

**Other Names:** American basswood

**Hardness Zones:** 4 to 8

**Growth Rate:** Fast

**Site Requirements:** full sun to part shade

**Soil:** moist to well drained, tolerant of alkaline soils

**Form:** oval, pyramidal shape, tall- spreading crown

**Height:** 60 - 80 feet

**Width:** 30 - 40 feet

**Flower/Fruit:** Yellow-white flowers have both male and female parts, appear after the leaves in July to August and last two weeks, fruit is a light brown or gray, round, hard, and nut-like, matures mid-August to mid-September

**Comments:** Very important nectar source for honeybees and other pollinators, related to Littleleaf Linden, few insects or diseases are likely to cause lasting damage, seeds and sumaras can be messy





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# Linden, Littleleaf

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**Scientific Name:** *Tilia cordata*

**Hardness Zones:** 4 to 7

**Growth Rate:** Moderate

**Site Requirements:** sun or partial shade, tolerant of alkaline soil if moist, not tolerant of drought

**Soil:** acidic, alkaline, moist, rich, sandy, well drained, wet, clay soils

**Form:** oval, pyramidal shape

**Height:** 50 - 60 feet

**Width:** 40 feet

**Flower/Fruit:** bright yellow flowers, very fragrant, fruit similar to a peppercorn in size and shape, light tan in color

**Comments:** lumber is light and strong, often used for wooden spoons and other utensils and in inexpensive furniture. Many communities plant Linden along the streets due to its rapid growth rate and dense, symmetrical crown but it is sensitive to road salt.



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# Maple, Black

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**Scientific Name:** *Acer nigrum*

**Other Names:** hard maple

**Hardiness Zones:** 4 to 8

**Growth Rate:** Slow

**Site Requirements:** Sun to shade, tolerant of flood plains with minimal flooding.

**Soil:** Rich, moderately deep soils

**Form:** Dense rounded crown

**Height:** 60 - 100 feet

**Width:** 40 - 60 feet

**Flower/Fruit:** Small greenish yellow flowers in early spring, short twin samaras

**Comments:** Native to SE MN. Very similar to sugar maple, sometimes considered a subspecies. Great maple for making syrup. Drooping leaf margins.





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# Maple, Mountain

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**Scientific Name:** *Acer spicatum*

**Other Names:**

**Hardiness Zones:** 4 to 8

**Growth Rate:** Slow

**Site Requirements:** Sun to shade

**Soil:** moist, cool acidic

**Form:** Small understory tree, can be shrubby

**Height:** 15 - 30 feet

**Width:** 10 - 15 feet

**Flower/Fruit:** spring white flower spikes, clusters of twin samaras

**Comments:** Native to Northern MN. Prefers cooler north and east facing slopes.





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# Maple, Red

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**Scientific Name:** *Acer rubrum*

**Other Names:** swamp maple

**Hardiness Zones:** 3 to 9

**Growth Rate:** Moderate to fast

**Site Requirements:** sun to shade

**Soil:** wide variety

**Form:** Has oval, rounded, upright or erect shape

**Height:** 40 - 60 feet

**Width:** 40 feet

**Flower/Fruit:** dense red or sometimes yellow clusters of small flowers, twin seeds bound at their tips to a long, drooping stem, wings up to 1 inch long and 1/4 inch wide, seeds ripen in late spring instead of fall like other maple trees.

**Comments:** something red in all seasons - buds in winter, flowers in spring, leafstalks in summer and brilliant foliage in autumn



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# Maple, Silver

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**Scientific Name:** *Acer saccharinum*

**Other Names:** soft maple

**Hardness Zones:** 3 to 9

**Growth Rate:** Fast

**Site Requirements:** vigorous shallow root system, plant 10' or more from sidewalks, drives, foundations, and sewer lines

**Soil:** Tolerant of wide range of soil types, but prefers deep, moist, acid sites

**Form:** vase shape

**Height:** 50 - 80 feet

**Width:** 35 - 50 feet

**Flower/Fruit:** fruit is elongated, 1-2 inches long, green to brown in color

**Comments:** Leaves are green on top and silvery-white on the underside, the buds are eaten by squirrels in early spring, provides nesting sites for ducks and other birds, beavers find the trees delicious. messy tree drops seeds and sheds branches



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# Maple, Sugar

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**Scientific Name:** *Acer saccharum*

**Other Names:** hard maple

**Hardiness Zones:** 3 to 8

**Growth Rate:** Slow

**Site Requirements:** Sun to shade, prefers evenly moist, well-drained soil

**Soil:** Rich, moderately deep soils having even moisture coupled with good drainage

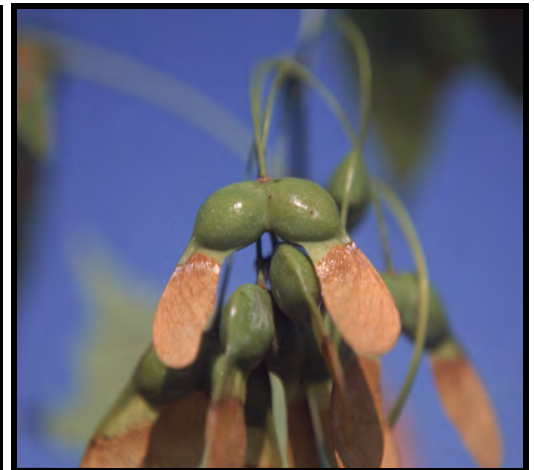
**Form:** Conical to round crown, dense foliage

**Height:** 50 - 70 feet

**Width:** 40 - 50 feet

**Flower/Fruit:** Small greenish yellow flowers in early spring, short twin samaras

**Comments:** best maple for making syrup, main component of climax forest, leaf scorch may develop with drought





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# Mulberry, Red

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**Scientific Name:** *Morus rubra*

**Hardiness Zones:** 4 to 8

**Growth Rate:** Fast

**Site Requirements:** sun to shade

**Soil:** wide range, clay soils

**Form:** rounded, spreading crown

**Height:** 15 - 70 feet

**Width:** 20 - 30 feet

**Flower/Fruit:** greenish to white inconspicuous flowers appear in clusters in the spring, fruit, raspberry-like fruit, 3/4 inch long

**Comments:** uniquely varying leaf shape, attracts birds and butterflies, birds love berries, berries are messy, fruit can be used for cooking: pies, cakes, jam, jelly, juice, wine. Wood is yellow



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# Nannyberry

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**Scientific Name:** *Viburnum lentago*

**Other Names:** Nannyberry viburnum

**Hardiness Zones:** 3 to 7

**Growth Rate:** Moderate to rapid

**Site Requirements:** shade-tolerant, relatively larger size in more open areas

**Soil:** wide range of sites, found natively in moist areas with rich loam to clay-loam soil, such as low woods, swamp borders, or near stream banks

**Form:** Irregular to rounded crown, leggy

**Height:** 20 - 25 feet

**Width:** 8 - 10 feet

**Flower/Fruit:** Small, creamy-white appear May - June, berry-like fruits are blue-black and form hanging clusters from July - September

**Comments:** Shade-tolerant, understory species useful in landscape plantings as shrub borders, taller barriers, hedges, and windbreaks, produces good seasonal displays of flowers, fruits, and fall leaf color, fruits are sweet and edible and are eaten by many species of birds and wildlife



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## Ninebark, Common

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**Scientific Name:** *Physocarpus opulifolius*

**Other Names:** Atlantic ninebark

**Hardiness Zones:** 2 to 8

**Growth Rate:** Medium to fast

**Site Requirements:** full to part sun

**Soil:** Wide variety

**Form:** Rounded

**Height:** 6 - 10 feet

**Width:** 5 - 10 feet

**Flower/Fruit:** Lobed leaves 3-4 inches long, clusters of small white flowers develop into red fruit in the fall blooms May - June

**Comments:** name is inspired by the way that the bark splits, forming layers of strips on the stem, provides food and cover for wildlife, many commercial cultivars available



*Physocarpus opulifolius*—eastern ninebark—boasts clusters of white blooms in late spring.



---

# Oak, Black

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**Scientific Name:** *Quercus nigra*

**Other Names:** Oak

**Hardiness Zones:** 3 to 9

**Growth Rate:** moderate

**Site Requirements:** Full Sun

**Soil:** Well drained soils, tolerates drought

**Height:** 50 - 60 feet

**Width:** 50 - 60 feet

**Leaf:** Simple, 5 to 8 inches long, oblong in shape with sharp-tipped lobes

**Flower/Fruit:** 0.7 to 1" acorn, in the fall, caps over over ½ of acorn.

**Comments:** Native to extreme SE MN, similar to Northern Pin Oak, good wildlife value, brilliant red color in fall, hold leaves over winter



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# Oak, Bur

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**Scientific Name:** *Quercus macrocarpa*

**Other Names:** Mossycup Oak

**Hardiness Zones:** 3 to 8

**Growth Rate:** moderate

**Site Requirements:** Full Sun

**Soil:** Well drained soils, tolerates drought

**Form:** Symmetrically rounded, flattens with age

**Height:** 60 - 75 feet

**Width:** 45 feet

**Leaf:** Simple, rounded lobes, deep sinuses reaching near the mid rib define a broad tip.

**Flower/Fruit:** up to 35 years to produce acorns

**Comments:** Native and to all of MN, common in Wright Co., large broad sweeping branches, good wildlife value, thick bark.



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# Oak, Northern Pin

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**Scientific Name:** *Quercus ellipsoidalis*

**Other Names:** hill's oak, Jack oak

**Hardiness Zones:** 3 to 7

**Growth Rate:** slow to moderate

**Site Requirements:** Full Sun

**Soil:** sandy, well drained soils but tolerates drought

**Form:** Symmetrically rounded, flattens with age

**Height:** 60 - 75 feet

**Width:** 45 feet

**Flower/Fruit:** 0.5 - 0.75" acorn, in the fall favored by wildlife

**Comments:** good wildlife value, red color in fall, hold leaves over winter, deeply lobed leaf with sharp points.





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## Oak, Northern Red

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**Scientific Name:** *Quercus Rubra*

**Other Names:** Red Oak

**Hardiness Zones:** 3 to 8

**Growth Rate:** moderate to fast

**Site Requirements:** Full Sun

**Soil:** Well drained soils but tolerates drought

**Form:** Symmetrically rounded, flattens with age

**Height:** 60 - 75 feet

**Width:** 45 feet

**Leaf:** Simple, 5 to 8 inches long, oblong in shape with 7 to 11 bristle-tipped lobes

**Flower/Fruit:** 0.7 to 1" acorn, in the fall, abundant crop at 40 years old

**Comments:** easy to transplant, good wildlife value, brilliant red color in fall, hold leaves over winter



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# Oak, Swamp White

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**Scientific Name:** *Quercus bicolor*

**Other Names:** Swamp Oak

**Hardiness Zones:** 1 to 4

**Growth Rate:** Moderate

**Site Requirements:** part to full sun

**Soil:** acidic, wet soils, adaptable, drought tolerant

**Form:** Oval shape

**Height:** 50 - 60 feet

**Width:** 50 - 60 feet

**Flower/Fruit:** male and female catkins, acorns ½ to 1 inch in diameter, commonly found in pairs that bloom in May

**Comments:** The acorns are sweet and are an important food for wildlife such as squirrels, mice, white-tailed deer, beaver, black bear, and a variety of birds, including ducks and turkey



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# Oak, White

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**Scientific Name:** *Quercus alba*

**Other Names:**

**Hardiness Zones:** 3 to 9

**Growth Rate:** Slow

**Site Requirements:** Part shade to sun

**Soil:** Wet, moist or dry

**Form:** Majestic and wide spreading, needs a lot of space

**Height:** 60 - 100 feet

**Width:** 50 - 80 feet

**Flower/Fruit:** Acorns

**Comments:** Acorns are preferred by wildlife over other oak species





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## Pear, Harbin

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**Scientific Name:** *Pyrus ussuriensis*

**Other Names:** Ussurian pear

**Hardiness Zones:** 3

**Growth Rate:** Moderate

**Site Requirements:** Full sun

**Soil:** well drained clay loam to sandy loam soils

**Form:** habit is dense and upright, becoming rounded, with conspicuous spurs

**Height:** 20 - 30 feet

**Width:** 15 - 20 feet

**Flower/Fruit:** Flowers are 1 1/3 inches in diameter, pinkish buds opening to white flowers, in late spring, fruit is round and greenish-yellow in color

**Comments:** Very attractive flowers, food for a variety of birds and mammals, nesting site for songbirds



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## Pine, Austrian

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**Scientific Name:** *Pinus nigra*

**Other Names:** black pine

**Hardiness Zones:** 3

**Growth Rate:** Slow

**Site Requirements:** Full sun

**Soil:** Moist, well-drained, salt tolerant

**Form:** Dense pyramid when young, develops spreading crown when mature

**Height:** 40 - 60 feet

**Width:** 20 - 40 feet

**Flower/Fruit:** Cone

**Comments:** Europe native, hardy, thrives in cities, adaptable pine



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## Pine, Eastern White

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**Scientific Name:** *Pinus strobus*

**Other Names:** white pine, northern white pine, soft pine

**Hardiness Zones:** 3 to 8

**Growth Rate:** Moderate to fast

**Site Requirements:** Full to part sun, moderate drought tolerance

**Soil:** Moist sand or loam, intolerant of alkaline and poorly drained clay soils, best in evenly moist, rich, well-drained, acidic soils

**Form:** Conical; spire like, broader with age

**Height:** 80 - 100+ feet

**Width:** 20 - 40 feet

**Flower/Fruit:** 4 - 6 inch long open pinecone

**Comments:** soft clusters if 5, 2 -3 inch needles, excellent wildlife habitat, tallest conifer in Minnesota, used extensively in reforestation projects, straight trunk, large trees cleared from MN during early 1800's





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## Pine, Jack

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**Scientific Name:** *Pinus banksiana*

**Other Names:** scrub pine, grey pine

**Hardiness Zones:** 2 to 6

**Growth Rate:** Moderate to Slow

**Site Requirements:** Full sun, semi drought tolerant

**Soil:** dry Sandy well drained soils, tolerant of poor soils

**Form:** Scrubby looking tree, loose asymmetrical form

**Height:** 30 - 100 feet

**Width:** 10 - 20 feet

**Flower/Fruit:** seratinous cones

**Comments:** Native to northern MN, Excellent wildlife habitat, extremely cold hardy, pioneer species often in burned over areas. Tolerant of deer.



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# Pine, Ponderosa

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**Scientific Name:** *Pinus ponderosa*

**Other Names:**

**Hardiness Zones:** 3 to 7

**Growth Rate:** Moderate

**Site Requirements:** full sun, drought resistant

**Soil:** most soil, including sandy and calcareous

**Form:** irregular, narrow, cylindrical shape

**Height:** 60 - 100 feet

**Width:** 25 - 30 feet

**Flower/Fruit:** Cones are solitary or in groups of 3-5, 3"-6" long, light reddish brown, produced as early as seven years with irregular good crops

**Comments:** seeds provide food for birds and small mammals particularly turkeys, nuthatches, crossbills, grosbeaks, grouse, squirrels, chipmunks, and mice, snags provide a large number of wildlife species with nesting and roosting sites



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## Pine, Red

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**Scientific Name:** *Pinus resinosa*

**Other Names:** Norway pine

**Hardiness Zones:** 2 -7

**Growth Rate:** Slow

**Site Requirements:** Full sun, semi drought tolerant, susceptible to salt damage

**Soil:** Sandy well drained soils

**Form:** Tall, straight, pyramidal when young, develops oval crown with age

**Height:** 70 - 100 feet

**Width:** 25 - 30 feet

**Flower/Fruit:** Cone

**Comments:** Excellent wildlife value, **State tree of Minnesota**, extremely cold hardy, self pruning





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# Pine, Scotch

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**Scientific Name:** *Pinus sylvestris*

**Other Names:** Scots pine

**Hardiness Zones:** 3 to 7

**Growth Rate:** moderate to fast

**Site Requirements:** Full sun, moderate drought tolerance

**Soil:** Loamy and moist sandy soils preferred, does well in drained clay soils

**Form:** Oval pyramidal shape, irregular with age

**Height:** 30 - 60 feet

**Width:** 40 feet

**Flower/Fruit:** short needle pairs spiral, 2 to 4 inches long, cone blooms in April to May

**Comments:** Europe native, orange peeling bark, widely used for Christmas trees because of excellent form and ability to hold needles for a long period, many color variations within the species some trees are sprayed with green color to make them more attractive, good for reclamation sites because of re-seeding capabilities



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## Plum, American

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**Scientific Name:** *Prunus americana*

**Other Names:** American plum, wild plum

**Hardiness Zones:** 3 to 9

**Growth Rate:** Rapid

**Site Requirements:** Full sun, drought resistance

**Soil:** wide variety of well-drained soil

**Form:** shrub or small tree, thicket forming, spreading branches, thorn like side branchlets

**Height:** 8 - 20 feet

**Width:** 8 - 20 feet

**Flower/Fruit:** White, fragrant flowers in early spring, rounded 1" red or yellow fruit in mid-summer

**Comments:** Flowers are great for early pollinators, very good wildlife value, native, thrives with neglect, forms large thickets



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## Plum, Prairie Red

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**Scientific Name:** *Prunus Americana* 'Prairie Red'

**Hardiness Zones:** 3 to 8

**Growth Rate:** Rapid

**Site Requirements:** partial shade to full sun

**Soil:** wide variety of soils, best growth occurs on silt loam soils, good drought tolerance

**Form:** Rounded shape

**Height:** 15 feet

**Width:** 15 feet

**Flower/Fruit:** white, 1" diameter flower blooms April to May, large, tasty, red - yellow fruit up to 1.5 inches diameter

**Comments:** Great wildlife and pollinator habitat, hybrid plum that is winter hardy in the Northern Great Plains, medium sized shrub and forms thickets, edible fruit is sweet and used to make preserves and jellies





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## Poplar, Hybrid

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**Scientific Name:** *Populus deltoides x nigra*

**Other names:** Lombardy poplar

**Hardiness Zones:** 3 to 9

**Growth Rate:** Rapid

**Site Requirements:** Full sun

**Soil:** acidic, alkaline, wet soils

**Form:** Oval

**Height:** 40 - 50 feet

**Width:** 30 feet

**Flower/Fruit:** Green catkins

**Comments:** speed growth of 5 - 8 feet per year is not uncommon, which makes this tree a good choice for quick shade on a vacant lot or for suburban firewood groves



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## Redbud, Eastern

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**Scientific Name:** *Cercis canadensis*

**Hardiness Zones:** 4-8

**Growth Rate:** moderate

**Site Requirements:** Full sun to partial sun

**Soil:** adaptable, well drained

**Form:** Graceful flat-topped vase shape as it matures, branches droop

**Height:** 20-30 Feet

**Width:** 15-25 Feet

**Flower/Fruit:** showy pink flower emerge before leaves tight to stems in April, pea-like seed pods are produced

**Comments:** Incredible early spring blooms, Heart-shaped leaves, attracts Butterflies, birds eat seeds





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## Rose, Woods

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**Scientific Name:** *Rosa Woodsii*

**Hardiness Zones:** 4-6

**Growth Rate:** Rapid

**Site Requirements:** Full to partial sun, Tolerant drought resistance

**Soil:** Dry-Moist

**Form:** 2 to 5 foot tall shrub, usually forming thickets

**Height:** 3-6 Feet

**Width:** 3-4 Feet

**Flower/Fruit:** Deep pink summer flowers, bright red hips, berry like fruits are oval to globular, up to a ½ inch in diameter, turning bright orange-red to purplish red in late summer

**Comments:** Bumblebees visit the flowers, hips provide food for wildlife





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## Serviceberry, Downy

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**Scientific Name:** *Amelanchier arborea*

**Other names:** Common Serviceberry

**Hardiness Zones:** 3 to 9

**Growth Rate:** Slow to moderate

**Site Requirements:** sun – part shade

**Soil:** Average to dry forest understory

**Form:** upright,

**Height:** 15 - 25 feet

**Width:** 10 – 20 feet

**Flower/Fruit:** white sprays of early spring flowers, Dry tasteless 0.3 – 0.5 inch dark berry.

**Comments:** A forest understory tree, occurring in openings and on edges. Native to the Eastern U.S. with MN being its western most range.



Photos: [minnesotawildflowers.info](http://minnesotawildflowers.info)

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## Spruce, Black

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**Scientific Name:** *Picea mariana*

**Other names:** Black spruce

**Hardiness Zones:** 2 to 5

**Growth Rate:** Slow to moderate

**Site Requirements:** Full sun

**Soil:** Acidic, moist, swamp bogs, sand, loam, clay

**Form:** Conical, spire like

**Height:** 30 - 50 feet

**Width:** 8 – 20 feet

**Flower/Fruit:** 0.5 to 1" round cones; mature in fall

**Comments:** Great wildlife tree. Native to northern MN. Can be the dominant tree in acidic bogs with very limited nutrients. While this evergreen thrives in moist conditions, it does not tolerate standing water, especially up on the bark.



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## Spruce, Black Hills

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**Scientific Name:** *Picea glauca* (white spruce) *var. densata*

**Other names:** white spruce

**Hardiness Zones:** 2 to 6

**Growth Rate:** Slow to moderate

**Site Requirements:** Full sun, drought tolerant

**Soil:** Acidic, moist, well-drained, gravel, sand, loam, clay

**Form:** Conical, spire like

**Height:** 30 - 60 feet

**Width:** 15 - 25 feet

**Flower/Fruit:** 0.75 to 1" purplish cones; mature to brown in fall

**Comments:** A shorter, fuller, variety of **white spruce**, good alternative to Colorado spruce, excellent wildlife value, dark green-blue foliage, used for Christmas trees and make excellent farmstead windbreaks, South Dakota state tree





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## Spruce, Colorado

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**Scientific Name:** *Picea pungens*

**Other names:** blue spruce, silver spruce

**Hardiness Zones:** 2 to 7

**Growth Rate:** slow

**Site Requirements:** Full sun, drought tolerant

**Soil:** Prefers moist to well-drained loams, will tolerate dry conditions

**Form:** Dense, narrow pyramidal with stiff horizontal branches

**Height:** 30 - 90 feet

**Width:** 15 - 25 feet

**Flower/Fruit:** 2 to 4 inch cones

**Comments:** Careful: sharp needles, poor heat tolerance, prone to needle cast disease in humid climates, excellent for wildlife cover and windbreaks



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# Spruce, Norway

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**Scientific Name:** *Picea abies*

**Other names:** Norway spruce

**Hardiness Zones:** 3 to 7

**Growth Rate:** medium to fast

**Site Requirements:** Full sun, drought tolerant

**Soil:** variety of soils

**Form:** pyramidal form

**Height:** 40 - 60 feet

**Width:** 25 - 30 feet

**Flower/Fruit:** large 4 to 6 inch cones

**Comments:** needles are ½ - 1", long drooping branches in mature trees, excellent for wildlife cover and windbreaks, looks unkept in old age.





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# Spruce, Red

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**Scientific Name:** *Picea rubens*

**Other names:** yellow spruce, eastern spruce

**Hardiness Zones:** 2 to 6

**Growth Rate:** Slow to moderate

**Site Requirements:** shade tolerant, drought tolerant, prefers cool north facing areas

**Soil:** Acidic, moist, well-drained

**Form:** Conical, spire like, skinny.

**Height:** 30 - 60 feet

**Width:** 15 - 25 feet

**Flower/Fruit:** 1.5 to 2" reddish brown cones in fall

**Comments:** Similar to black spruce, Native to the extreme Northeastern U.S. where it is important for lumber, excellent wildlife value, food and nesting area for many birds, dark yellow-green foliage, used as Christmas trees



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## Sumac, Three-leaf

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**Scientific Name:** *Rhus trilobata*

**Other Names:** Skunkbush, squawbush, sourberry

**Hardiness Zones:** 3-8

**Growth Rate:** Rapid

**Site Requirements:** Full to part sun, drought resistant, tolerate harsh growing conditions.

**Soil:** Dry-Moist

**Form:** dense spreading shrub, suckering habit

**Height:** 3-6 Feet

**Width:** 4 - 10 Feet

**Flower/Fruit:** Chartreuse spring flower clusters, Red fruit

**Comments:** Native to western U.S. bright red fall foliage. Fruit provides winter food for birds. Roosting areas for birds. Aromatic three-lobed leaves.



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# Tamarack

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**Scientific Name:** *Larix laricina*

**Other names:** Eastern larch, American larch, black larch

**Hardiness Zones:** 2 to 6

**Growth Rate:** Fast

**Site Requirements:** full sun, very cold tolerant

**Soil:** commonly found in swamps and bogs, occasionally grows on drier sandy soils, extremely tolerant of different soil types

**Form:** conical, irregular

**Height:** 70 - 80 feet

**Width:** 30 feet

**Flower/Fruit:** small  $\frac{3}{4}$  inch cones are bright red, turning brown and opening to release the seeds when mature

**Comments:** Some of the few cone-bearing trees that drop their needles, bright yellow needles in fall





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# Walnut, Black

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**Scientific Name:** *Juglans nigra*

**Other names:** eastern black walnut

**Hardiness Zones:** 4 to 9

**Growth Rate:** Moderate

**Site Requirements:** Full sun

**Soil:** wide range

**Form:** Rounded

**Height:** 50 - 75 feet

**Width:** 50 - 75 feet

**Flower/Fruit:** fruit consists of three layers: the round green fleshy husk, hard, thick corrugated, shell, and kernel with a rich, oily flavor, walnut trees produce nuts in 12-15 years, harvested in early autumn

**Comments:** Native Americans and early settlers used it for food, dyes, ink, medicine, fence posts, gun stocks, and furniture. Walnut wood is highly prized for paneling and furniture.



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# Wayfaring Bush

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**Scientific Name:** *Viburnum lantana*

**Other names:** wayfaring tree, wayfarer

**Hardiness Zones:** 3 to 4

**Growth Rate:** Medium

**Site Requirements:** partial to full sun, average to moist conditions, shouldn't be allowed to dry out

**Soil:** wide variety of soil type

**Form:** Upright and neatly compact shape

**Height:** 8 to 12 feet

**Width:** 8 to 12 feet

**Flower/Fruit:** Europe native, flat-topped clusters of white flowers in spring and fruit which starts pink changing to red and finally black in fall, holds color longer than the species

**Comments:** useful for foundation plantings and shrub borders



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## Willow, Blue Arctic

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**Scientific Name:** *Salix purpurea*

**Other names:** purpleosier willow

**Hardiness Zones:** 4 to 8

**Growth Rate:** Rapid

**Site Requirements:** full sun, wet site or dry

**Soil:** Moist to wet soils of average fertility

**Form:** Upright oval growth habit in youth, quickly becoming rounded and spreading with age

**Height:** 5 - 8 feet

**Width:** 4 - 6 feet

**Flower/Fruit:** Insignificant fruits containing small seeds occur on female plants

**Comments:** Group planting excellent when used near bodies of water, as a hedge or deciduous screen, on embankments for erosion control





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# Willow, Meadow

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**Scientific Name:** *Salix petiolaris*

**Other names:** slender willow

**Hardiness Zones:** 3 to 6

**Growth Rate:** Fast

**Site Requirements:** Full sun to light shade, ample water, moist soil

**Soil:** Tolerates a wide range of soil types

**Form:** low growing, clumped, slender stems

**Height:** 5 - 20 feet

**Width:** 5 – 15 feet

**Flower/Fruit:** fluffy catkins

**Comments:** Does well on woodland edges or dappled shade, can be used for bank erosion control.



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## Willow, Pussy

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**Scientific Name:** *Salix caprea*

**Other names:**

**Hardiness Zones:** 4 to 8

**Growth Rate:** Rapid

**Site Requirements:** Full to part sun, moist to wet

**Soil:** wide range

**Form:** This willow has oval shape

**Height:** 15 - 25 feet

**Width:** 12 - 25 feet

**Flower/Fruit:** Purplish-brown catkins that appear in March

**Comments:** The pussy willow has long been admired for its strong, spreading, upright stems, colorful yellow-orange autumn leaves.



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# Willow, Weeping

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**Scientific Name:** *Salix babylonica*

**Hardiness Zones:** 4 to 8

**Growth Rate:** Fast

**Site Requirements:** full sun

**Soil:** wide range

**Form:** Rounded shape

**Height:** 30 - 40 feet

**Width:** 35 feet

**Flower/Fruit:** fruit 1/4 inch in diameter, brown, leaves no litter to speak of, flowers are yellow, borne on short catkins blooming in April to May.

**Comments:** easily recognized by its open crown of ground-sweeping branches, leaves light green above, grayish-green beneath, grows especially well near water





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# Winterberry

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**Scientific Name:** *Ilex verticillata*

**Other names:** Common winterberry, holly

**Hardiness Zones:** 3 to 4

**Growth Rate:** slow - moderate

**Site Requirements:** part shade to sun, woods, thickets, stream banks

**Soil:** dry to wet

**Form:** Dense multi-stemmed shrub, suckering may form thickets

**Height:** 5 - 15 feet

**Width:** 5 - 8 feet

**Flower/Fruit:** small, white june flowers produce small round red berries tightly held to the stem persisting through winter.

**Comments:** MN native holly. Bees frequent during flowering, berry are winter bird food source. Valuable to honey bees.

