

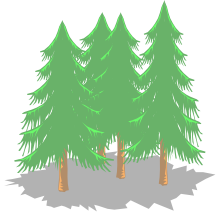


# BRIEF TREE DESCRIPTIONS

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## CONIFERS



**Black Hills Spruce**- Pyramidal tree that grows to 40', short bluish green needles that form a very dense tree. Prefers moist, well drained, porous soils. Excellent windbreak and wildlife cover. Plant to plant spacing is 20'-25' in windbreaks and 12'-15' in wildlife plantings.

**Canaan Fir**- A Pyramidal tree that grows to 50' and prefers moist loam soils, but will also tolerate wet heavier soils. Used in windbreaks, Christmas tree production, and as a landscape tree. Plant to plant spacing in windbreaks and wildlife plantings are 20'-25'.

**Eastern Red Cedar**- Native, long-lived evergreen tree that will grow to 30'. Reddish tinge on needles. Grows on most soils except wet sites. Should not be planted close to apple orchards because it is a host for the cedar apple rust disease. Excellent wildlife cover. Plant to plant spacing is 8'-10'.

**Meyer Spruce**- Dense pyramidal non-native tree with slow/medium growth, good drought resistance, and bluish-green needles that needs at least 8 hours of sunlight. Mature height is 40'. Plant to plant windbreak spacing is 20'-25' and 12' to 15' for wildlife planting. Great needle retention.

**Norway (Red) Pine**- Pyramidal tree that grows to 80', long needled pine that prefers sandy/light soils. Plant to plant windbreak spacing is 20'-25' and 12'-15' in wildlife plantings.

**Norway Spruce**- Pyramidal tree that grows to 75'. Fastest growing of all spruces. Grows in most soils except where water soaked. Great for windbreaks and wildlife cover. Plant spacing is 20'-25' in windbreaks and 12'-15' in wildlife plantings.

**White Cedar (American Arborvitae)**- Long-lived 40'-50' evergreen that prefers well-drained soils, but will tolerate poor drainage. Can be planted close together and not lose its needles. Excellent shelterbelt and escape cover for birds. Plant 8' to 10'.

**White Cedar (Techny Arborvitae) – Available in pots only**- A cultivar 15' to 20' tall, dark green color, medium to fast growth rate, and makes a dense, dark green screen. Plant 4'- 8' spacings. (Techny is shorter and narrower width (6'-8') than the American Arborvitae.)

**White Pine**- A tall, fast growing tree, which can grow to 80' tall. Prefers well drained, moist soils. Good tree for windbreaks, wildlife cover and lumber production. Plant to plant spacing is 20'-25' in windbreaks and 12'-15' in wildlife plantings.

## LARGE DECIDUOUS TREES



**Quaking Aspen** – White bark and good for use as landscaping tree, wildlife, and paper pulp. Grows to 40-70' and spreads by root suckers. Tolerates a wide range of soil types including sandy soils.

**Norway Poplar**- A fast-growing, tall tree that grows to 40-60 feet in moist soils. Used in windbreaks or to provide quick cover. Young trees used for food by deer, rabbits, and beaver. Hybrid of Eastern Cottonwood and Black Poplar. Plant 8'-10' in windbreaks.

**Basswood (American Linden)**- A medium sized to large tree that grows 60 to 80' tall. Fast-growing and tolerant of most soil types but prefers well drained soils. Prefers full sun. Suitable for windbreaks, wildlife habitat, and riparian plantings. Flowers are desirable for pollinators. Plant 15-20' apart in windbreaks.

**Paper Birch-** A fast growing native tree that grows to 70' tall. Prefers full sun and well drained soils. Best known by it's distinctive white, flaking bark. Leaves turn bright yellow in the fall. Popular landscape tree and great for riparian buffers and wildlife plantings. Deer will browse bark while birds and small mammals will eat buds, catkins, and seeds. Plant to Plant spacing in wildlife plantings is 10'-15'.

**Red Maple-** A long-lived, fast growing native tree that averages 40' to 60'. Prefers moist, well-drained soils. Fall colors are brilliant red, orange or yellow. Plant to plant spacing is 15'-20'.

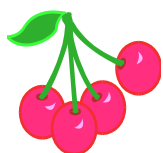
**Red Oak-** Tall, fast growing, long-lived, native hardwood tree which will grow from 50' to 70' tall. Prefers moist well-drained soils. Dark red leaves in the fall. Plant to plant spacing is 12'-15'.

**White Oak-** A tall, moderately fast growing, long-lived, native tree. Prefers moist, well-drained soils. Does not do well in poorly drained sites. Plant to plant spacing is 12'-15'. Grows 50' to 70'

**Sugar Maple-** Tall, native tree which grows from 50'-70'. Prefers moist, well-drained soils. Good wildlife tree – some lumber production. Used for the extraction of maple syrup. Plant 12'-15' apart in wildlife plantings.

**Swamp White Oak-** A 40' to 60' long-lived hardwood that prefers moist to wet soils. Good tree for lowland areas & wildlife. Plant 12'-15' apart

## SHRUBS



**Arrowwood-** A medium-sized shrub which may grow from 6' to 10' tall. Prefers well-drained soils and full sun to part shade. Non-fragrant white flowers appear in spring, followed by blue/black berries that are attractive to wildlife. Plant 4-6 feet apart.

**Chokeberry (Mackenzie's Black)-** Also known as Aronia berry, a medium sized shrub 5-10 ft. tall. Produces purple berries that can be juiced for jelly and healthful drinks. Will grow in many environments and is shade tolerant. Good for windbreaks and wildlife plantings. Plant 4-6 feet apart.

**Hazelnut-** Native shrub that grows from 10' to 15'. Nuts are readily eaten by humans, as well as wildlife. Plant to plant spacing is 4'-6'.

**Juneberry-** Small native shrub, which grows to 15 feet tall. Grows well on most soils, except wet soils. Grows in both sun and shade. Its blue-black berries, which ripen in summer, are great for pie making and are readily eaten by birds. Fall foliage is yellow-orange to red-purple. Plant to plant spacing is 4'-6'.

**Common Purple Lilac-** A large shrub with bright green foliage and showy purple flowers. Grows to 10' in most soils. Plant to plant spacing is 4'-6'.

**Redosier Dogwood-** Fast growing, native shrub that grows to 10'. Has red bark and is shade tolerant. Fruits are white berries that are readily eaten by birds. Grows best on heavy soils, but grows anywhere in sun or shade. Great wildlife shrub. Plant 4'-6' apart.



1810 30<sup>th</sup> Street NW  
Faribault, MN  
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