

# 2019 Tree Sales - Tree Characteristics



# Kalamazoo Conservation District

Tree Species	Sun Tolerance	Soil Tolerance	Growth Rate	Tree Growth Pattern	Tree Size	Extras
<b>CONIFERS</b>						
Black Spruce * <i>(Picea mariana)</i>	Full sun-part shade	Various soils; clay, loamy, sandy, wet	Slow-Medium	Pyramidal, columnal	40-60 ft. high 10- 20 ft. wide	Deer resistant
Norway Spruce <i>(Picea abies)</i>	Full-part sun	Rich, moist soils	Fast	Pyramidal, weeping branches	50-70 ft. high 25-40 ft. wide	Good for windbreaks
White Cedar <i>(Thuja occidentalis)</i>	Full-part sun	Various soils; clay, loamy, sandy, dry	Fast	Pyramidal, columnal, ornamental	80+ ft. high 20-40 ft. wide	Deer resistant
Douglas Fir <i>(Pseudotsuga menziesii)</i>	Full-part sun	Various soils; loamy, sandy, clay, wet	Medium	Pyramidal, ornamental	60- 80 ft. high 10- 20 ft. wide	Common Holiday tree
Concolor Fir <i>(Abies concolor)</i>	Full sun-part shade	Rich, medium moisture, well-drained soil	Medium	Narrow conical	40-70 ft. high 20-30 ft. wide	Common Holiday tree, blue-green-silver color
White Pine * <i>(Pinus strobus)</i>	Full-part sun	Various soils; clay, dry, loamy, sandy,	Fast	Pyramidal, irregular	80+ ft. high 30-40 ft. wide	State tree; transplants easily; used for screen & windbreaks
<b>SHADE TREES</b>						
Red Maple * <i>(Acer rubrum)</i>	Full Sun	Various soils: loamy, moist, sandy, silty	Medium-Fast	Narrow, dense crown, ornamental	40-60 ft. high 30-40 ft. wide	Red fall color
Sugar Maple * <i>(Acer saccharum)</i>	Full sun-part shade	Rich, moist soil	Medium	Round, dense crown	40-80 ft. high 30-60 ft. wide	Orange to red fall color; produces sap for syrup; leaves compost well
Bigtooth Aspen * <i>(Populus grandidentata)</i>	Full sun	Various soils; clay, loamy, sandy, wet	Fast	Columnar	40-60 ft. high 20-30 ft. wide	Unique bark
Tulip Poplar * <i>(Liriodendron tulipifera)</i>	Full sun	Various soils; clay, loamy, sandy, wet	Fast	Oval	70-100 ft. high 30-40 ft. wide	Leaves and flowers have a "tulip" shape
Swamp White Oak * <i>(Quercus bicolor)</i>	Full Sun	Moist, acidic soils, along river bottoms, wetland edges	Fast	Broad, wide crown	60-90 ft. high 40-60 ft. wide	Landscape plant; transplants well

White Oak * <i>(Quercus alba)</i>	Full-part sun	Various soils; clay, loamy, sandy, dry,	Medium	Round, oval, ornamental	60-80 ft. high 40+ ft. wide	Fall color; nut bearing
Riverbirch * <i>(Betula nigra)</i>	Full sun-part shade	Various soils; acidic, loamy, sandy, clay	Medium-Fast	Spreading canopy, ornamental	40-70 ft. high 40-60ft. wide	Good for erosion control; will tolerate moderate flooding and some drought
Hackberry * <i>(Celtis occidentalis)</i>	Full sun	All types of soils	Medium-Fast	Rounded vase-like shape	40-60 ft. high 40-60 ft. wide	Tolerates wind, pollution, heat, drought, salt; attracts songbirds & butterflies
Kentucky Coffeetree * <i>(Gymnocladus dioicus)</i>	Full sun	Adaptable to variety of soils; tolerates wet to dry soil	Medium	Oval or rounded shape	50-70 ft. high 40-60 ft. wide	Disease resistant; pollution tolerant

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<b>SMALL TREES AND SHRUBS</b>						
Crabapple, Sargent <i>(Malus sargentii)</i>	Full sun	Prefers moist, well-drained but will tolerate drier soils	Slow	Compact with dense, spreading crown	6-10 ft. high 6-12 ft. wide	Fragrant, white blossoms; easy to transplant; privacy screens and hedges
Eastern Redbud * <i>(Cercis canadensis)</i>	Full-part sun	Various soils; clay, loamy, sandy	Medium to fast	Round, ornamental	20-40 ft. high 20-30 ft. wide	Flowering, fragrant
White Flowering Dogwood* <i>(Cornus florida)</i>	Full-part sun	Various soils; clay, loamy, sandy	Fast	Round, ornamental	15-30 ft. high 5-10 ft. wide	Showy spring blossoms
Ninebark * <i>(Physocarpus opulifolius)</i>	Full sun-part shade	Prefers acidic, well drained, but adapts to clay, rocky shallow soil	Fast	Upright, spreading habit	5-10 ft. high 4-10 ft. wide	Hardy tree; showy flowers, attracts butterflies; hedge & privacy screen; erosion control
Paw Paw * <i>(Asimina triloba)</i>	Full-part sun	Moist, well drained, wet	Slow	Pyramidal, ornamental, thicket forming	15-20 ft. high 15-20 ft. wide	Spring blossoms; fall color; edible fruit
Serviceberry, Alleghany * <i>(Amelanchier laevis)</i>	Full sun-part shade	Moist, well drained soil, but tolerates various soils	Medium	Upright, thicket form	15-30 ft. high 15-30 ft. high	White blossoms; edible berries; attracts birds; fall color; deer resistant
Whitchhazel * <i>(Hamamelis virginiana)</i>	Full sun-part shade	Prefers rich, moist soil, but can be grown in various soils	Slow	Upright, ornamental	15-20 ft. high 15-20 ft. wide	Yellow, fragrant blooms in fall; good for hedges & raingardens
Winterberry (Michigan holly) * <i>(Ilex verticillata)</i>	Full sun-part shade	Average, acidic soils, but tolerates wet and poorly drained	Slow-Medium	Upright habit, ornamental	3-12 ft. high 3-12 ft. wide	Red berries on female plants only (requires male to fruit); hedges, erosion control, raingardens
Viburnum, Nannyberry * <i>(Viburnum lentago)</i>	Full sun-part shade	Average, medium moisture soils. Tolerant of heat, drought.	Medium	Upright habit, ornamental	14-16 ft. high 6-12 ft. wide	Spring white blooms, edible berries; attracts birds & butterflies; good for a tall hedge.
Red Chokeberry * <i>(Aronia Arbutifolia, Brilliantissima)</i>	Full sun – part shade	Average, well-drained soil. Prefers moist and tolerates wet areas.	Slow	Upright habit, multi-stemmed	6-8 ft. high 3-5 ft. wide	White flowers; red berries attract birds; brilliant red fall color
*Michigan native species						