

# 2022 Tree Sales – Tree Characteristics



# Kalamazoo Conservation District

Tree Species	Sun Tolerance	Soil Tolerance	Growth Rate	Tree Growth Pattern	Tree Size	Extras
<b>CONIFERS</b>						
Arborvitae, Green Giant <i>(Thuja arborvitae)</i>	Full-part sun	Tolerates most soils; avoid wet sites	Fast	Conical	30-40 ft. high 12-20 ft. wide	Dark green color all year; terrific for privacy screen and windbreaks; deer resistant
Fir, Concolor <i>(Abies concolor)</i>	Full-part sun	Rich, medium moisture, well-drained soil	Medium	Narrow conical	40-70 ft. high 20-30 ft. wide	Also known as white fir; popular Christmas tree; resembles blue spruce with blue-green-silver color
Fir, Douglas <i>(Pseudotsuga menziesii)</i>	Full-part sun	Various soils; loamy, sandy, clay, wet	Medium	Pyramidal, ornamental	60- 80 ft. high 10- 20 ft. wide	Popular Christmas tree, some deer resistance
Fir, Fraser <i>(Abies fraseri)</i>	Full-part sun	Prefers acidic, well drained soils	Slow-Medium	Pyramidal	30-40 ft. high 20-25 ft. wide	Beautiful Christmas tree, dark blue-green needles with silvery undersides, strong branches
Pine, Austrian <i>(Pinus nigra)</i>	Full sun	Variety of soils; prefers normal moisture	Medium	Pyramidal	50-60 ft. high 20-40 ft. wide	Also known as European black pine. Hardy with some drought tolerance when established; used for windbreaks; attracts birds for seed and cover
Pine, White ** <i>(Pinus strobus)</i>	Full-part sun	Various soils; clay, dry, loamy, sandy, wet	Fast	Pyramidal, irregular	80+ ft. high 30-40 ft. wide	State tree; transplants easily; used for screen & windbreaks
Spruce, Norway <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; deer resistant
Spruce, White ** <i>(Picea glauca)</i>	Full-part sun	Variety of soils	Slow-Medium	Pyramidal	40-70 ft. high 20-30 ft. wide	Does well in urban and rural settings; light green color; beneficial to wildlife especially turkey; Christmas tree; windbreaks

\*\*Michigan native species

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<b>DECIDUOUS TREES</b>						
Aspen, Bigtooth ** <i>(Populus grandidentata)</i>	Full sun	Various soils; clay, loamy, sandy, wet	Fast	Columnar	40-60 ft. high 20-30 ft. wide	Unique bark; yellow fall color; provides food for ruffed grouse, deer, birds; timber products
Basswood ** (American Linden) <i>(Tilia americana L.)</i>	Full sun-shade	Prefers moist, well drained soils; adaptable to many soil conditions	Medium-Fast	Dense oval crown	60-100 ft. high 40-60 ft. wide	Shade tree; fragrant flowers, attracts birds for seeds and cover, favorite for honeybees and beekeepers
Birch, River ** <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	Unique cinnamon colored bark; good for erosion control; will tolerate moderate flooding and some drought
Coffeetree, Kentucky ** <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; excellent shade and ornamental tree
Dogwood, Kousa <i>(Cornus kousa)</i>	Full-part sun	Prefers acidic, moist, well drained soils. Tolerates occasional drought.	Slow	Round, ornamental	20-30 ft. high 20-30 ft. wide	Showy white blossoms; reddish fall color; hardy; resistant to anthracnose; attracts insect pollinators; deer resistant
Dogwood, Pogoda ** <i>(Cornus alternifolia)</i>	Full-part shade	Prefers acidic, moist, well-drained soils. Will tolerate some dry sites when established	Medium	Broad, oval, upright	15-25 ft. high 15-25 ft. wide	Showy flowers and fall color; attracts butterflies and birds; tolerate of walnut toxicity; can be used in hedge row; can be grown under utility lines
Maple, Red ** <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; tolerates wet soil, drought, black walnut, and air pollution; deer resistant
Maple, Sugar ** <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
Oak, Chinkapin ** <i>(Quercus muehlenbergii)</i>	Full sun	Various soils; acidic, alkaline, loamy, moist, sandy, well-drained, wet, clay	Slow-medium	Round	40-70 ft. high 40-60 ft. wide	Landscape plant; preferred acorns for wild turkey, grouse, deer, hogs

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<b>DECIDUOUS TREES</b>						
Oak, Scarlet ** <i>(Quercus coccinea)</i>	Full sun	Various soils except alkaline; some drought tolerance	Medium	Round	60-80 ft. high 40-50 ft. wide	Brilliant red fall color; acorns are important food source for wildlife
Poplar, Tulip ** <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
Redbud Eastern ** <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	Purple-red flowers in early spring, fragrant
<b>SPECIALTY SHRUBS</b>						
Cherry, Nanking <i>(Prunus tomentosa)</i>	Full sun	Various soils; prefers well drained soil; adapts to drought and cold winters	Medium-Fast	Round, ornamental	6-10 ft. high 15 ft. wide	Plant more than one for pollination, edible berries, fragrant white flowers; windbreak filler, hedge; provides food for wildlife
Elderberry, Black ** <i>(Sambucus nigra)</i>	Full-part sun	Various soils; clay, loamy, sandy, wet	Medium	Round	5-20 ft. high 10-20 ft. wide	Flowering, edible fruit, fall color, deer resistant
Hazelnut, American ** <i>(Corylus americana)</i>	Full sun-part shade	Prefers well drained, loamy soil. Tolerates range of pH.	Medium-Fast	Dense, multi-stemmed, rounded shrub	6-10 ft. high 4-6 ft. wide	Excellent for naturalizing, woodland gardens and shade areas. Showy flowers and fall color. Nuts attract birds such as woodpeckers
New Jersey Tea ** <i>(Ceanothus americanus)</i>	Full sun-part shade	Prefers alkaline, moist, sandy, well drained soils	Medium	Mounded, round	3-5 ft. high 3-5 ft. wide	Tolerates road salt; white summer flowers, butterfly host; showy in mass plantings & on steep slopes
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 shrub; showy flowers, attracts butterflies; hedge & privacy screen; erosion control
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
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; rain gardens
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