

Scientific/ Common Name	Height/ Width	Growth Rate	Soil (Acidic pH < 7, Alkaline pH > 7)	Wind Tolerant	Notes
<i>Acer rubrum</i> / Red Maple	45'/30'	Fast	Prefers moist acidic soil.	Easily damaged by winds	Bright red in fall. Dominant central leader so needs little pruning. Strong resistance to chlorosis.
<i>Acer rubrum</i> / Autumn Blaze Maple	40-55'/ 30-55'	Fast	Prefers moist acidic soil.	Easily damaged by winds	Beautiful red in fall. Pest and disease resistant.
<i>Amelanchier</i> / Autumn Brilliance Serviceberry	15-25'/ 10-15'	Medium	Lightly moist soil. Tolerates most soil types.	Yes	Quite a trouble-free tree or shrub. White flowers in spring and red-orange leaves in autumn. Small edible berries which birds like. Suckers often appear; can be easily removed.
<i>Betula nigra</i> / River Birch	40-70'/ 30-40'	Fast	Moist soil and tolerates flooding. Needs acidic soil of 6.5 or lower.	Withstands even high winds.	Deer resistant. Subject to chlorosis if soil is acidic. Native to Michigan.
<i>Carpinus betula</i> / Frans Fontaine	40-60'/ 30-40'	Slow	Grows best in almost moist soil.	Yes	Columnar in shape. Dark green leaves turn yellow in autumn. Good tree for a screen. Deer resistant.
<i>Carpinus caroliniana</i> / American Hornbeam	20-30'/ 20-30'	Slow to medium	Prefers acidic soil, tolerates alkaline. Dry or wet sites.	Yes	Reddish purple in fall. No serious pests nor diseases. Extremely hard wood. Native to Michigan.
<i>Cercis canadensis</i> / Eastern Redbud	20-30'/ 25-35'	Medium	Handles even high pH alkaline soil. Prefers moist soil.	Yes	Pink flowers appear in April, even on the branches and trunk. Attractive specimen tree. Native to Michigan.

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<i>Cornus kousa</i> / Kousa Dogwood	15-25’/ 25’	Slow to medium	Needs moist acidic soil. Does not tolerate drought.	Can withstand wind, but shelter helps.	Beautiful white bracts (“flowers”) appear in May. Attract birds and butterflies. Red fruits for birds. Orange-red in fall. Milky Way is one of the best varieties. Purple-scarlet in fall. Good choice under power lines.
<i>Ginkgo biloba</i> / Ginkgo	50-80’/ 30-50’	Slow to medium	Tolerates any soil, even high pH and moderate drought.	Yes	Hardy tree. Deer and pest resistant, low maintenance. Beautiful yellow fall color. Conical shape. Female trees are very messy and fruits emit a noxious odor.
<i>Gleditsia triacanthos</i> / Thornless, seedless Honeylocust	30-70’/ 30-70’	Fast	Do well in most soils. Moderately tolerant of flooding and drought.	Yes	Non-messy tree. Thorn less and pod less varieties are Skyline, Moraine, Sunburst. Subject to web worms and borers. Native to Michigan.
<i>Gymnocladus dioica</i> / Kentucky Coffee Tree	60-70’/ 40-70’	Medium	Does well in most soils, even high pH alkaline soil. Tolerates wet soil and drought.	Yes	Tolerates heat, draught, and cold. Espresso is male tree and does not have messy litter of female trees which can be toxic. Very hardy. Provides mottled shade. Native to Michigan.
<i>Liriodendron tulipifera</i> / Tulip Tree	70-90/ 40’	Fast	Moist acidic soil, tolerates alkaline soil	Very susceptible to ice damage, weak wood	Deer resistant. Tulip-shaped blooms in May- June. Tree is a vibrant yellow in fall. Good shade tree. No pest problems. Needs good water supply. Native to Michigan.

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<i>Malus/</i> Prairifire Crabapple	15-20’/ 15-20’	Fast	Prefers well drained, acidic soil; adapts to others	No problems noted	The ½” berries can be toxic if eaten by dogs. Good pest and disease resistance. Red leaves and pink/red flowers that last awhile. Red/orange in autumn. Good choice under power lines.
<i>Malus/</i> Purple Prince Crabapple	18-20’/ 18-20’	Fast	Adapts to most soils. Prefers moist soil.	No problems noted	Berries can be toxic if eaten by dogs. Less dense than Prairifire. Good resistance to diseases of crab trees. Good choice under power lines. Beautiful rosy flowers with purple bronze leaves. ½’ berries.
<i>Nyssa sylvatica/</i> Black Gum	30-50’/ 20-30’	Medium	Acidic, moist well-drained soils. Subject to chlorosis if too alkaline.	Yes	Excellent shade tree, Simultaneous bright red and purple fall colors. Small bluish-black fruit for birds, no serious insect or disease problems. Trunk looks like alligator-hide. Deer resistant. Native to Michigan.
<i>Platanus acerifolia/</i> London Planetree	60’/ 30-50’	Medium	Tolerates most any moist, wet, or well-drained soil and some drought.	Fairly wind tolerant	Excellent dense shade tree. Beautiful exfoliating bark with mottled white, gray and green colors. Large, yellow-brown leaves in fall. The best cultivars are Exclamation! and Ovation (resistant to anthracnose and frost cracking).
<i>Quercus alba/</i> White Oak	50-80’/ 100’	Medium	Well-drained acidic soil. Intolerant of wet or alkaline soil.	Yes	Subject to chlorosis if high pH. Acorns are a favorite food for deer. Green leaves turn to burgundy and red in autumn. Acorns appear when trees reach 50-100 years of age. Oak wilt possible. Beautiful, large, Michigan native..
<i>Quercus coccinea/</i> Scarlet Oak	60-80’/ 40-50’	Medium	Moist acidic soil. Some drought tolerance.	Yes	Recommended by MSU Extension because not as subject to chlorosis as other oaks. Small (1/2-1”) acorns for squirrels. Trouble free tree. Bright red in Autumn.

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<i>Quercus rober/</i> Regal Prince Oak (Ware's Oak)	40-60'/ 15-20'	Medium	No soil preference. Adapts to wet and dry locations.	Yes, both wind and ice resistant	Dark green leaves turn to orange in autumn. Use as a screen or specimen tree. Attractive tree, columnar shape.
<i>Syringa reticulata/</i> <i>Japanese Tree Lilac</i>	20-30'/ 15-20'	Medium	Rich, slightly acidic soil with good drainage.	Yes	Profuse, fragrant, attractive white flowers. Resists mildew and pests. Prune after flowering. Good choice under power lines. Deer resistant.
<i>Tilia tomentosa/</i> Sterling Silver Linden (Basswood)	50-70'/ 25-40'	Medium	Moist, well-drained soil. Tolerates alkaline soil. Tolerates drought better than other lindens. Intolerant of poor drainage.	Yes	Flowers in June, heart-shaped leaves, dense shade. Underside of leaves is silver. Low maintenance. Provides nectar for bees. Japanese Beetles can be a problem, especially for young trees; but the Sterling is less susceptible to them than Little Leaf Lindens.
<i>Tilia cordata/</i> Little Leaf Linden (Basswood)	50-70'/ 25-40'	Medium	Moist, well drained soil. Tolerates alkaline soil. Intolerant of drought and poor drainage.	Yes	Flowers in June, heart-shaped leaves, dense shade. Low maintenance. Provides nectar for bees. Japanese Beetles can be a problem, especially for young trees.

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<i>Ulmus americana</i> / Princeton Elm	50-70’/ 30-50’	Fast	Moist, well-drained acidic or alkaline soil. Tolerates moisture, and drought.	Yes, very much so	Dark green leaves that turn yellow in autumn. Very resistant to Dutch elm diseases and elm leaf beetles.
<i>Ulmus davidiona</i> / Accolade Elm	50-60’/ 30-40’	Fast	Moist, well-drained acidic or alkaline soil. Intolerant of poor drainage	Yes	Dark green leaves that turn yellow in autumn. Very resistant to Dutch elm diseases and elm leaf beetles.
<i>Ulmus frontier</i> / Frontier Elm	30-40’/ 20-30’	Fast	Moist, well-drained acidic and alkaline soil as well as drought and poor drainage.	Yes	Dark green leaves that turn purple/red in autumn. Very resistant to Dutch elm diseases and elm leaf beetles.
<i>Ulmus Morton glossy</i> / Triumph Elm	50-60’/ 35-40	Fast	No soil preference; tolerates drought and poor drainage.	Wind hardy	Dark green leaves that turn yellow in autumn. Very resistant to Dutch elm diseases and elm leaf beetles.
<i>Zelkova serrata</i> / Musashino	45’/ 15’	Fast	No soil preference; can handle dry and moist conditions.	Yes	Green leaves turn to copper-bronze or red in autumn. Interesting peeling bark. Trouble-free tree. Vase shape.