

## Approved Tree Species

The tree species listed are considered for such factors as: size, disease resistance, pest problems, Location suitability, seed or fruit set and visual appearance. Another factor that can be considered in species selection is which trees are presently doing well and are relatively free from insects and disease. While efforts have been made to make appropriate recommendations, nurseries may have further information as to specific cultivars or varieties which may be more suitable for your location or climate.

### LARGE TREES (>40')

**PLANT ONLY IF AREA BETWEEN SIDEWALK AND CURB IS GREATER THAN 10 FEET.**

<u>Latin (scientific name)</u>	<u>Common Name</u>	<u>Description or Characteristic of plant</u>
<i>Carya spp.</i>	<i>Hickories</i>	<b><u>Large trees; edible nuts; difficult to transplant because of taproot; need large areas</u></b>
<i>Celtis occidentalis (N)</i>	<i>Hackberry</i>	<b><u>Performs well under adverse conditions; bare root; smaller trees (&lt;40')</u></b>
<i>Cladrastis kentukea</i>	Yellowwood	Moderate growth rate, flowering, smooth bark; best in non-compacted soil; do not prune in Spring.
<i>Corylus americana (N)</i>	<i>Hazelnut</i>	<b><u>Edible nuts; dark green leaves; no appreciable fall color; large tree needs more open areas</u></b>
<i>Eucommia ulmoides</i>	Hardy Rubber tree	Slow to moderate growth rate; leaves look like an elm; pest resistant; not for poorly drained sites.
<i>Ginkgo biloba</i>	Maidenhair tree	<b><u>Choose Male Cultivars</u></b> ; no pests; prune - to - train recommended; upright cultivars available.
<i>Gymnocladus dioica (N)</i>	<i>Kentucky Coffeetree</i>	<b><u>Moderate growth rate; open crown; use male cultivars like 'Macho'; few pests or disease.</u></b>
<i>Juglans cinerea (N)</i>	<i>butternut</i>	<b><u>edible nuts; pinnately compound leaves with no appreciable fall color; attractive bark; up to 60' tall</u></b>
<i>Larix decidua</i>	Common Larch	Deciduous evergreen; pyramidal shaped; no flowers; attractive reddish brown to grayish brown bark
<i>Liquidambar styraciflua (N)</i>	<i>Sweetgum</i>	<b><u>multi-colored fall color display; limited fruit; Michigan is the northern most range of this species.</u></b>
<i>Liriodendron tulipifera (N)</i>	<i>Tuliptree</i>	<b><u>Needs large amounts of room; tallest tree east of the Mississippi River; Limited wood strength.</u></b>
<i>Metasequoia glyptostroboides</i>	Dawn Redwood	Rapid growth rate; deciduous conifer; good from; generally pest free.
<i>Nyssa sylvatica (N)</i>	<i>Tupelo or Black Gum</i>	<b><u>Slow growth rate; brilliant fall color; slow growing; tolerant to drought and flooding.</u></b>

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Quercus acatissima	Sawtooth White Oak	Handsome wide spreading clean foliated tree; not typical oak leaf; good lawn tree.
<b>Quercus bicolor (N)</b>	<b>Swamp White Oak</b>	<b>Slow growth rate; tolerant of urban conditions; transplants well in Spring.</b>
Quercus imbricaria	Shingle Oak	Slow to medium growth rate; acorns less of a litter problem than most oaks; transplant in Spring.
<b>Quercus macrocarpa (N)</b>	<b>Bur Oak</b>	<b>Slow growth rate; more tolerant to City conditions than most oaks.</b>
<b>Quercus rubra (N)</b>	<b>Red Oak</b>	<b>Fast growing tree; tolerates urban conditions along streets with heavy traffic.</b>
<b>Sassafras albidum (N)</b>	<b>Common Sassafras</b>	<b>medium-sized tree; good fall color from red to purple to orange. Tolerates a wide range of soil conditions</b>
Styphnolobium japonica	Japanese pagodatree	medium to large tree; ornamental bark; rounded shaped; white flowers in mid-summer
Taxodium distichum	Common Baldcypress	Moderate to fast growth rate; deciduous conifer; tolerates poor drainage.
<b>Tilia americana</b>	<b>Basswood</b>	<b>Tall tree; fragrant, white flowers in spring that attract bees; tolerates high pH; difficult to propagate from seed</b>
Tilia cordata	Littleleaf Linden	Good shade tree for street conditions; has conical growth habit while young; becoming broader with age.
Ulmus parviflora	Chinese (Lacebark) elm	Moderate growth rate; choose Dutch Elm Disease and Phloem necrosis resistant varieties such as Drake, Dynasty, Ohio or
Zelkova serrata	Japanese Zelkova	Moderate growth rate; fall color from yellow to red; ornamental bark; fruit is insignificant; tree has elm-like appearance

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### MEDIUM TREES (25' - 40')

IF THE AREA BETWEEN THE SIDEWALK AND CURB IS LESS THAN 10', USE THESE TREES.

<u>Latin (scientific name)</u>	<u>Common Name</u>	<u>Description or characteristic of plant</u>
Acer campestre	Hedge Maple	Fits under utility lines; tolerates a wide range of urban sites; no serious insect or disease problems; <b>(only for use under power lines)</b>
Aesculus x camea 'Briotii'	Ruby Red Horsechestnut	Tolerant of urban conditions; fairly heat and drought resistant; slow growth rate.
Alnus cordata	Italian Alder	Medium-sized tree; pyramidal tree; survives in a wide range of soils; good-colored foliage
<b><i>Asimina triloba (N)</i></b>	<b><i>Paw Paw</i></b>	<b><i>plant only single tree to avoid fruit; has a taproot so it is difficult to transplant; purple, six-petaled flower</i></b>
<b><i>Betula nigra (N)</i></b>	<b><i>River Birch</i></b>	<b><i>20 - 30' tall; excellent bronze, exfoliating bark; resistant to bronze birch borer; multi-stemmed tree</i></b>
<b><i>Carpinus caroliniana (N)</i></b>	<b><i>American Hornbeam</i></b>	<b><i>Slow growth rate; well-suited to small spaces and shady suburban sites.</i></b>
Cercidiphyllum japonicum	Katsuratree	Moderate to fast growth rate; few disease or pests.
Halesia caroliniana	Mountain Silverbell	Slow growth rate; pest resistant; subtle flowers
Koelreuteria paniculata	Goldenrain Tree	Flowering; tolerant of urban settings; choose tree form
Maackia amurensis	Amur Maackia	Ornamental bark; flowers in mid-summer; insignificant fall color; round shaped as tree ages
<b><i>Ostrya paniculata (N)</i></b>	<b><i>American Hophornbeam</i></b>	<b><i>Performs well in urban settings; choose tree form.</i></b>
Parrotia persica	Persian Parrotia	Excellent medium lawn or street tree; gray, green and brown mosaic bark; gold to scarlet fall color.
Phellodendron amurense	Amur corktree	Corky bark; <b><u>Choose male cultivar like 'Macho'</u></b> ; pest free; upright growth; shallow roots.
<b><i>Quercus muehlenbergii (N)</i></b>	<b><i>Chinkapin oak</i></b>	<b><i>medium-sized tree; variety of moisture &amp; light conditions; red oak family-can be susceptible to oak wilt</i></b>

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### SMALL TREES (>25')

IF AREA BETWEEN SIDEWALK AND CURB IS LESS THAN FIVE FEET, USE THESE TREES. ASK FOR THEM IN TREE FROM; NO MULTI-STEM FORMS.

<u>Latin (scientific name)</u>	<u>Common Name</u>	<u>Description or characteristic of plant</u>
Acer ginnala	Amur Maple	Very cold hardy; good street tree; slow growing; single or multi-stem ( <b>only for use under power lines</b> ).
Acer griseum	Paperbark maple	cinnamon to red-brown exfoliating bark is the nicest factor; small sized tree; bronze to red fall color; small size tree
<b><i>Amelanchier species (N)</i></b> * - check individual varieties	<b>Serviceberry</b>	<b>A variety of flowering cultivars available; can be sensitive to City conditions and pest; attractive flowers in Spring; Edible</b>
<b><i>Cercis canadensis (N)</i></b> * - check individual varieties	<b>Eastern Redbud</b>	<b>Moderate growth rate; sun or partial shade; Minnesota strains are more winter hardy.</b>
<b><i>Cornus florida (N)</i></b>	<b>Flowering dogwood</b>	<b>Ornamental tree; "flower" has four bracts; tree grows to 20'; disease issues; reddish fall color</b>
Cornus kousa	Kousa dogwood	Slow to moderate growth rate; use tree from; flowering
<b><i>Crataegus sp. (N)</i></b> * - check individual varieties	<b>Hawthorn species</b>	<b>Choose thornless tree form; flowering; withstands compaction; i.e.. 'Crimson Cloud English hawthorn'</b>
<b><i>Prunus americana (N)</i></b>	<b>plum</b>	<b>large white flowers; grows to 35' tall, fruit in fall</b>
Prunus maackii	chokecherry	rounded tree, 40' tall; white raceme flowers; fruit in August. Ornamental tree to be used in small spaces
Prunus serrulata 'Kanza'	Kanza cherry	vase shaped; 30' tall; medium growth rate; pink flowers; fruitless variety
Prunus x 'Okame'	Okame Cherry	vase shaped; 30' tall; medium growth rate; pink flowers; fruitless variety; may not be reliable cold hardy in Michigan
Stewartia koreana	Korean Stewartia	20' tall; pyramidal shaped; excellent red to purple fall color; ornamental exfoliating bark; white flowers in June
Syringa reticulata	Japanese Tree Lilac	Choose tree form; flowering; flowers appear in June; cream colored

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<u>Latin (scientific name)</u>	<u>Common Name</u>	<u>Description or characteristic of plant</u>
<i>Malus sp. (N)</i> * - check individual varieties	Flowering Crabapple	Select disease resistant cultivars; be aware of varying growth habits of cultivars; available in many forms and 'Harvest Gold' 'Madonna' 'Prairifire' 'Red Baron' 'Red Jewel' 'Sentennial' 'Snowdrift' 'Spring Snow' 'Spring Tyme'

### Special Use Trees

In certain areas of the City or in areas of restricted above-ground space, the best tree choice may be those varieties that grow more upright, in a columnar form, known as fastigiata form. This form allows for minimal blockage because of their tight, upright habit and they will also not hang over sidewalk avoiding clearance concerns.

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