

	Scientific Name/Common Name	Height	Width	Salt Sensitivity	Growth Rate	Rec for Placement	Native?	Positive Characteristics	Concerns	Size
	DICIDUOUS									
	Acer rubrum/Redpointe Maple	45'	30'	Low	Fast	Street tree, yards, paarks	Hybrid	Reliably bright red in fall, broadly pyramidal shape,	Temporary hold on planting maples	M
	A Freemanii maple							Dominant central leader so needs little pruning, superior resistance to chlorosis,	in Ludington because there are too many.	
	Acer rubrum/ Autumn Blaze Maple	40-55'	30-40'	Moderate	Fast	Street tree, yards, parks	Hybrid	Beautiful red color, unlike other maples is moderately salt tolerant. Pest and disease resistant.	Temporary hold on planting maples in Ludington because there are too many.	
	A Freemanii Jeffers Red									
	Acer platanoides /Crimson King	30-40'	20-40'	Moderate	Moderate	Street tree, yards, parks	No	Low maintenance, insect problems. Maroon leaf color.	Shallow roots may affect sidewalks & driveways. Subject to fatal verticillium wilt. Temporary hold on planting maples.	M
	Amelanchier laevis (Smooth leaf)	15-30'	15-30'	Intolerant	Faster growth	Good understory tree	Yes	Flowers April-May, small edible fruits for birds and animals, Autumn Brilliance more resistant to leaf spot and fire blight and has exceptional red fall color. Canadensis is yellow gold in fall and hardier than others. Prune suckers for single trunk (more like tree)	Best in part shade, intolerant of drought	S
	or canadensis (Autumn Brilliance)	20-25"	20-25'		Medium	Parks, yards				
	Juneberry (Serviceberry)									
	Betula nigra/ River Birch	40-70'	30-40'	Moderate	Fast	Shade tree, parks	Yes	Wind resistant, small nutlets in May/June. Resistant to birch borer. No serious pests. More attractive if planted in clumps.		L
	Carpinus Caroliniana/American	20-30'	20-35'	Intolerant	Slow-moderate	Street tree, parks, yards	Yes	Redish purple to green, disease free. No serious pests.		S
	Hornbeam*									
	Carpinus Fastigiata/ American	40-60'	20-40'	Intolerant	Moderate	Street , lawn, or parks tree	No	Yellow-to orange infall, pyramidal-oval shape, disease free, no serious pests, excellent in groupings as screen or hedge		L
	Hornbeam									
	Celtis occidentalis L. /Hackberry	40-60'	40-60'	Tolerant	Fast	Street or lawn tree	Yes	"Tough tree." Good shade tree, tolerates strong wind.Attracts butterflies, fruit for birds. Bark like alligator skin. Full or part shade.	Branches subject to ice damage. Seeds are messy if near sidewalk or patio.	L
	Cercidiphyllum japonicum/ Katsura tree	40-60'	20-30'	Tolerant	Moderate-fast	Streets, parks, & yardss	No	Large shade tree.Round, heart shaped leaves, begin as red, then bluish green and yellow	Small 3/4" pods on female trees. Mulch around tree. Water in dry periods; protect from	L

Scientific Name/Common Name	Height	Width	Salt Sensitivity	Growth Rate	Rec for Placement	Native?	Positive Characteristics	Concerns	Size
DICIDUOUS									
<i>Cereis canadensis/ Eastern Redbud</i>	20-30'	25-35'		Medium	Lawns, woodland margins, parks	Yes	Beautiful April pink flowers, birds eat seeds, low maintenance, showy, attracts butterflies, pale yellow & green/yellow in fall. Graceful branching.	Canker, blight, die back can be problems. Regular pruning helps keep healthy. 2-4" seed pods in winter	S
<i>Cornus Kousa/ Kousa Dogwood</i>	15-25'	25'	Moderate	Slow-medium	Wide parkways, parks, and residential	No	Tougher than Cornus florida. Beautiful blooms May-June. Full sun-partial shade. Great fall color (purple-scarlet). Fruit for birds. Rounded shape.	Struggles in clay.	S
<i>Ginkgo biloba L./ Princeton</i>	50-80'	30-50'	Tolerant	Moderate-slow	Street tree	No	Princeton (male tree) does not have fruit. Pest resistant, low maintenance. Good fall color (yellow). Conical shape.	Female trees are very messy.	L
<i>Gleditsia triacanthos/ Thornless, Seedless Honeylocust</i>	30-70'	30-70"	High	Fast	Street tree, parking lots	Yes	A non-messy tree. Thornless and podless types: Skyline (pyramidal shape), Moraine (vase shape, rounded top), Sunburst (irregular form)	Subject to web worms, borers, leaf spot and canker disease.	M-L
<i>Gymnocladus dioica (L.)/ Kentucky Coffee Tree</i>	60-70'+	40-70'	Tolerant	Moderate	Street tree	No	"Tough tree." Good for shade. Espresso is male tree and does not have messy litter of female trees that can be toxic. Tolerant of heat drought, and cold.		L
<i>Liriodendron tulipifera/ Tuliptree</i>	70-90'	40'	Intolerant	Fast	Lawns, parks, wide medians	Yes	Tulip-shaped blooms May-June (green/ yellow, orange at base), vibrant yellow in fall, no pest problems, specimen tree, good shade tree	Highly suseptable to high winds and ice damage, needs constant water supply	L
<i>Malus/Royal Raindrops Crabapple</i>	15-20'	12-16'	Low	Moderate	Residence, street tree	No	Low maintenance, fruit for birds, drought resistant, small berries, red/orange in fall, good food source for birds, attracts butterflies	Most disease resistant of crabapples, may get scab, rusts, mildew, leaf spot	S
<i>Malus/ Shotizam: Show Time</i>	25'	15-20'			Street tree or ornamental		Vivid fuchsia-red flowers, resistant to		S

								diseases common to crabapples, small fruit		
								eaten by birds, orange-bronze in fall		

	Common Name/Scientific	Height	Width	Salt Sensitivity	Growth Rate	Rec for Placement	Native?	Positive Characteristics	Concerns	Size
	DICIDUOUS									
	<i>Nyssa sylvatica/Black (Sour) Gum</i>	30-50'	20-30'	Tolerant	Medium	Street tree (4-6') and	Yes	Excellent shade tree, brilliant fall color (yellow,	Fruit litter a concern for female trees.	M
	Tupelo					parking lot islands (4-6')		bright red, orange, purple), nectar for bees,		
						parks and yards.		small bluish-blk fruit for birds, oval shape,		
								no serious insect or disease problems		
								Interesting "alligator-hide" trunk.		
	<i>Platanus acerifoli /London</i>	60'	30' (50')	Moderate	Fast	Residence, parks,	Hybrids	Both tolerate drought and are resistant to	Canker, leaf spot, & mildew may occur.	
	planetree: Exclamation! Ovation					parkways with wide		and frost cracking; most other types are not.	Litter from peeling bark, fruiting balls, and	
						medians		Wonderful for shade. Beautiful peeling bark,	twigs. Seeds disperse in downy tufts in	
								mottled white, gray, & green. Yellow-brown	wind.	
								in autumn.		
	<i>Quercus coccinea/ Scarlet Oak</i>	60-80'	40-50'	Moderate	Medium	Street tree	Yes	Recommended by MSU Extension Office	Acorns 1/2-1" Subject to oak wilt.	L
								because not as subject to chlorosis as other		
								oaks.Vibrant red in autumn. Good wind resistance.		
	<i>Syringia Reticulata /Japanese Tree</i>	20-30'	15-20'	Tolerant	Medium	Ornamental/street/parks	No	Use Ivory Silk variety. Profuse, fragrant white	Prune after flowering. Possible leaf spots.	S
	Lilac							flowers. Resists mildew. Resists pests.		
	<i>Tilia / Greenspire</i>	50-80'	30-50'	Moderate	Medium	Ornamental/street tree	Yes	Flowers in June, heart-shaped leaves, dense	Intolerant of wet areas and severe draught,	L
								shade, low maintenance, no serious disease	pea-sized nutlet, Japanese beetles can be	
								problems, full sun-shade, nice flower fragrance,	problematic.	
								nectar for bees, pyramid to oval shape.		
	<i>Tilia Sterling/ Sterling Silver Linden</i>	50-70"	30-50'	Moderate	Medium	Ornamental, street tree	Yes	Same as above but is quite resistant to Japanese		
						yards		Beetles		
	<i>Ulmus davidiana var. japonica/</i>	40-60'	35-40'	Medium	Fast, 3'/year	Great street tree	Hybrid	Excellent resistance to Dutch Elm Disease &	Sometimes difficult to find	L
	Accolade or Triumph Elm (hybrid)					& for parks		Elm Leaf Beetle. 2012 Urban Tree of the year.		
								Similar to American Elm. Yellow in fall.		

	Scientific/Common Name	Height	Width	Salt Sensitivity	Growth Rate	Rec for Placement	Native?	Positive Characteristics	Concerns	Size
	DICIDUOUS									
	<i>Zelkova serrate/ Japanese Zelkova</i>	See below	See below		Medium-fast		No	Strong trees, dense shade, attractive peeling, bark, tolerates wind	Sometimes difficult to find.	
	Green Vase	50-80'	50-80'		Medium-fast	Good street tree, for parks & residences	No	Good fall color (orange, bronze & red), vase shape, some nonsignificant yellow, resists Dutch Elm disease, replaces American Elm		L
	Wireless Japanese	24'	36'		Medium-fast		No	Good under utility wires , short & broad, red fall color	Difficult to find.	S
	EVERGREENS									
	<i>Pinus strobus L./White Pine</i>	50-80'	20-40'	Intolerant	Fast	Residential or parks	State tree		4-8" pinecones, suseptable to insect and disease probs,intolerant wet or clay soil	L
	<i>Pinus resinosa Ait./ Red Pine</i>	60-100'	24-36'	Intolerant	Rapid	Residential or parks Windbreak	Yes	Bark is fire resistant. Good lumber source. Prefers sandy soil.	Suseptable to winds and salt. 2-3" cones.	L
	<i>JUNIPERUS Hetzii Columnares/ Hetzii Chinese Juniper</i>	15-18'	5-8'	Tolerant	Fast	Screen, windbreak	No	Very hardy. No disease problems. Attractive.		S