



CITY OF GRAND RAPIDS APPROVED TREE SPECIES LIST

Botanical Name	Common Name	MI Native	Mature Height (ft)	Crown Spread (ft)	Form / Growth Habit	Drought Tolerant	Wet Site Tolerant	Salt Tolerant	Shade Tolerant	pH Tolerance	Notes/ Cultivars	
SMALL TREES (MATURE HEIGHT < 30') - SUITABLE FOR SITES WITH OVERHEAD UTILITIES												
Amelanchier arborea 'Trazam'	Tradition Downey serviceberry	X	30	20	Oval-upright		T		M	≤ 7.5	Poor heat tolerance, salt sensitive	
Amelanchier x grandiflora	Serviceberry		20	15	Rounded	M			M	≤ 7.5	Salt sensitive, Tree Form, Autumn Brilliance, Cumulus, Princess Diana, Robin Hill	
Amelanchier laevis	Allegheny serviceberry	X	20	15	Rounded				M	≤ 7.5	Select tree form.	
Cercis canadensis	Eastern redbud	X	25	30	Flat-topped	M	M	M	T	≤ 8.2	Select tree form (cold hardy seed source). Appalachian Red, Northern or Minnesota Strain	
Cornus mas	Cornelian cherry dogwood		25	20	Rounded				M	T	≤ 8.2	Select single stem/tree form, Golden Glory
Cornus kousa	Kousa dogwood (Japanese dogwood)		25	25	Rounded				M	M	5-7.4	Select single stem/tree form
Cotinus obovatus	American smoketree	X	30	20	Rounded	T	M				≤ 8.2	Select single stem/tree form, difficult to transplant
Crataegus crus-galli	Thornless hawthorn	X	15	20	Round-spreading	T		M			≤ 8.2	Crusader, Cockspur, Winter King - disease resistant
Maackia amurensis	Amur maackia		30	25	Vase-round	T					≤ 8.2	Maacnificient
Malus	crabapple		18	18	Upright	T	T	M			≤ 8.2	Cultivars: Prairiefire, Sugar Tyme, Adirondack
Prunus sargentii x subhirtella 'Accolade'	Accolade cherry		20	15	Spreading				M		≤ 7.5	
Prunus virginiana	choke cherry		20	15	Rounded	T	T	M				Cultivars: Canada Red, Shubert
Syringa reticulata	Japanese tree lilac		20	15	Oval			M	M	M	≤ 8.2	Ivory Silk, Regent
Tilia cordata 'Halka'	Summer Sprite® linden		20	15	Rounded-pyramidal	M	M					
Zelkova serrata 'Schmidtlow'	Wireless® zelkova		24	36	Vase	T		T	M		≤ 8.2	
MEDIUM TREES (MATURE HEIGHT 25 - 40')												
Aesculus x carnea	Red horsechestnut		40	40	Broad-pyramidal	M		M			≤ 8.2	Cultivars: Fort McNair, Briotti
Betula nigra	River birch	X	40	35	Broad-Pyramidal	T	T		M		≤ 7.0	Select single stem/tree form; Heritage/Cully
Carpinus betulus	European hornbeam		40	25	Pyramidal	T			T		≤ 8.2	Select single stem/tree form
Carpinus caroliniana	American hornbeam	X	30	25	Rounded			T	T		≤ 7.5	Select single stem/tree form, difficult to transplant
Cladrastis kentukea	American yellowwood		30	40	Rounded			M			≤ 8.2	
Corylus colurna	Turkish filbert (Hazel)		40	35	Broad-Pyramidal	T					≤ 8.2	
Gleditsia triacanthos var. inermis	Thornless Honeylocust		35	35	Rounded		T	M			≤ 8.2	Reserved for compacted, challenging soils; Impcole, Sunburst
Koeleruteria paniculata	Goldenrain tree		40	40	Round-vase	T		M			≤ 8.2	
Nyssa sylvatica	Black gum	X	40	25	Pyramidal			T	T	T	≤ 7.5	
Ostrya virginiana	American hophornbeam	X	40	25	Upright Oval	M						
Parrotia persica	Persian Parrotia		40	35	Round-vase	T			M		≤ 8.2	
Prunus pensylvanica	Pin cherry	X	25	20	Columnar	M						
Prunus sargentii	Sargent cherry		30	30	Rounded	T		M			≤ 7.5	Cultivars: JFS-KW58
Quercus acutissima	Sawtooth oak		40	40	Rounded	T		M			≤ 7.5	
Thuja occidentalis	White Cedar / Arborvitae	X	50	8	Columnar-pyramidal	T		T	M		5-8	Only suitable for parks or open spaces; viewscreens.
Ulmus propinqua 'JFS Bieberich'	Emerald Sunshine elm		35	25	Upright Vase							
Ulmus hybrids	Hybrid elm		30+	30+	Round-vase	T	M	T			5-8	Frontier®, 'New Horizon'
LARGE TREES (MATURE HEIGHT > 40')												
Abies concolor	White fir	X	50	20	Pyramidal	M			M	5-8	Only suitable for parks or open spaces.	
Celtis laevigata x occidentalis 'Magnifica'	Magnifica hackberry		50	40	Oval-vase	T		T	M		≤ 7.5	
Celtis occidentalis	Hackberry	X	60	40	Irregularly-round		T		M		≤ 8.2	Prairie pride, Chicagoland
Eucommia ulmoides	Hardy rubber tree		45	45	Rounded	T					≤ 8.2	Cultivars: KSUI ("Prairie Sentinel" hackberry®)
Ginkgo biloba	Ginkgo		45	35	Upright			M			≤ 8.2	Cultivars: Autumn Gold, Princeton Sentry, The President, Maygar, Woodstock
Gleditsia triacanthos	Thornless honeylocust		45	35	Broad-pyramidal	T	T				≤ 8.2	Cultivars: Christie, Street Keeper, Skycole. Reserved for compacted, challenging soils.
Gymnocladus dioicus	Kentucky coffeetree		45	35	Oval	T	T				≤ 8.2	Cultivars: Espresso®, J.C. McDaniel® (Prairie Titan®) and 'Stately Manor'
Juniperus virginiana	Eastern redcedar	X	50	20	Columnar-pyramidal	T		T				Male cultivars - 'Burkii'
Liriodendron tulipifera	Yellow poplar (Tulip tree)	X	70	40	Pyramidal						≤ 8.2	
Metasequoia glyptostroboides	Dawn redwood		90	25	Pyramidal	T	T				≤ 8.2	Requires early pruning if used as a street tree
Picea abies	Norway spruce		60	30	Pyramidal	M	M		M	5-8	Only suitable for parks or open spaces.	
Pinus strobus	White pine	X	80	40	Pyramidal	M	M			5-7.4	Only suitable for parks or open spaces.	
Pinus resinosa	Red pine	X	80	40	Pyramidal	T				5-7.4	Only suitable for parks or open spaces.	
Platanus x acerfolia	London planetree		65	50	Rounded	T	T	T		≤ 8.2	Cultivars: Bloodgood, Columbia, Morton Circle	
Pseudotsuga menziesii	Douglas fir		80	40	Pyramidal					5-8	Only suitable for parks or open spaces.	
Quercus alba	White oak	X									pH soils 5.5-6.5	
Quercus bicolor	Swamp white oak	X	60	40	Rounded		T	T		≤ 7.5		
Quercus imbricaria	Shingle oak	X	50	40	Broad-oval	T	T			≤ 7.5		
Quercus palustris	Pin oak	X						T		≤ 7.0		
Quercus macrocarpa	Bur oak	X	70	55	Rounded	T				≤ 8.2		
Quercus muehlenbergii	Chinkapin Oak	X	60	60	Spreading-round	T		M		≤ 8.2		
Quercus robur	English oak		50	40	Rounded	T		T	T			
Quercus rubra	Northern red oak	X	75	60	Broad-pyramidal	T		T		≤ 7.5		
Quercus shumardii	Shumard oak		60	40	Rounded	T	T	T		≤ 8.2		
Quercus x macdanielii	Heritage oak		50	40								Cultivars: Clemons
Taxodium disticum	Baldcypress		80	35	Columnar-pyramidal	T	T	M		≤ 7.5	Requires early pruning if used as a street tree. Cultivars: Mickleson, 'Monarch of Illinois'	
Tilia americana	American basswood	X	65	30	Pyramidal			T		≤ 8.2	Cultivars: Redmond, DTR 123	
Tilia americana x euchlora 'Redmond'	Redmond linden		65	25	Upright	M			T			
Tilia cordata 'Greenspire'	Greenspire linden		45	35	Narrow-oval					≤ 8.2	Cultivars: Halka	
Tilia tomentosa 'Green Mountain'	Green Mountain silver linden		45	35	Broad-pyramidal					≤ 8.2		
Tilia tomentosa 'Sterling'	Sterling silver linden		45	35	Broad-pyramidal					≤ 8.2		
Tilia x flavescens 'Glenleven'	Glenleven linden		50	30	Pyramidal					≤ 8.2		
Ulmus americana	American elm	X	80	40	Vase	T	T	T		≤ 8.2	Cultivars: Jefferson, New Harmony, Valley Forge, Princeton Or Cultivars Depending on Availability	
Ulmus hybrids	Hybrid elm		50	35	Oval			T	M	≤ 8.2	Cultivars: Frontier, Homestead, or Pioneer hybrids (Frontier difficult to transplant bareroot)	
Ulmus parviflora 'Emer II'	Emerald Vase Chinese elm		70	60	Vase	T		M		≤ 8.2		
Zelkova serrata 'Green Vase'	Japanese zelkova		50	40	Vase	T	T	M	T	≤ 8.2	Cultivars: Green Vase, Halka	

While improving urban forest diversity is the goal of this list, monocultures may be perpetuated on individual streets or blocks. Different species with like characteristics can still provide the aesthetic appeal of single species plantings if desired in certain areas. Other tree species will be considered on a case by case basis.

T = Tolerant M = Moderate Tolerance

Only suitable for parks or open spaces (not a street tree)