

Green Macomb Recommended Tree Species List January 2017

Botanical Name	Common Name	Family	Cultivar	Native to MI	Drought Tolerance	Soil Drainage Tolerance	Soil Salt Tolerance	Salt Spray Tolerance	Soil pH	Pest Resistance	Shape	Mature Spread (feet)	Mature Height (feet)	Growth Rate	Min. ROW Width				NOTES
															< 3.5'	3.5 - 4.5'	4.5'+	Under Wires	
<i>Acer buergerianum</i>	Trident Maple	Sapindaceae		No	Yes	Moist to Well Drained	Mod	High				20 to 30	20 to 35	Slow		•		•	Choose tree form
<i>Acer griseum</i>	Paperbark Maple	Sapindaceae		No	Mod	Moist to Well Drained	Mod	Mod	Acidic to Mod Alkaline		Round/Oval	10 to 30	20 to 30	Slow		•		•	
<i>Acer pensylvanicum</i>	Striped Maple	Sapindaceae		Yes		Moist to Well Drained						10 to 20	15 to 25		•			•	
<i>Acer rubrum</i>	Red Maple	Sapindaceae	Various	Yes	Mod	Extended Flooding to Well Drained	Poor	Low	Acidic	Resistant	Round/Oval	25 to 35	60 to 75	Fast			•		Spreading surface roots
<i>Acer saccharum</i>	Sugar Maple	Sapindaceae	Apollo	Yes	Low	Moist to Well Drained	Poor	Low	Acidic to Alkaline		Round/Oval	40 to 50	60 to 75	Mod			•		Spreading surface roots
<i>Acer x freemanii</i>	Freeman Maple	Sapindaceae	Armstrong; Autumn Blaze	Hybrid	Mod	Extended Flooding to Well Drained	Poor	Low	Acidic to Mod Alkaline	Resistant	Upright/Oval	20 to 40	40 to 60	Fast			•		
<i>Aesculus x carnea</i>	Red Horsechestnut	Sapindaceae	Briotti; Ft. McNair	Hybrid	Mod	Moist to Well Drained	Poor	Mod	Acidic to Alkaline	No Serious Pests	Upright/Oval	30 to 40	60 to 80	Mod		•			
<i>Aesculus flava</i>	Yellow Buckeye	Sapindaceae		No	Mod	Moist to Well Drained	Low	Mod	Acidic to Mod Alkaline		Upright/Oval	25 to 35	60 to 80	Mod			•		Messy fruit
<i>Amelanchier arborea</i>	Downy Serviceberry	Rosaceae		Yes	Mod	Moist to Well Drained	Low	Mod	Acidic to Mod Alkaline		Rounded		15 to 25	Mod	•			•	Choose single stem/tree form
<i>Amelanchier x grandiflora</i>	Serviceberry or Juneberry	Rosaceae	Autumn Brilliance; Princess Diana; Robin Hill	Hybrid	Low to Mod	Well Drained	Low	Low	Acidic to Neutral	No Serious Pests	Rounded	10 to 15	10 to 25	Mod	•			•	Choose single stem/tree form
<i>Amelanchier laevis</i>	Allegheny Serviceberry	Rosaceae		Yes	Low	Moist to Well Drained	Low	Low	Acidic to Mod Alkaline		Rounded	15 to 25	15 to 25	Mod	•			•	Get single stem variety
<i>Asimina triloba</i>	Paw Paw	Annonaceae		Yes	Low	Wet, Moist to Well Drained	Low	Low	Acidic	No Serious Pests	Pyramidal	15 to 30	15 to 30	Slow	•			•	Tolerant of poor drainage and wet soil
<i>Betula nigra</i>	River Birch	Betulaceae		Yes	High	Extended Flooding to Moist	Low	Mod	Acidic	No Serious Pests	Upright/Oval	30 to 40	40 to 60	Fast		•			Choose single stem/tree form
<i>Carpinus betulus</i>	European Hornbeam	Betulaceae	Fastigiata; Various	No	Mod	Well Drained	Low	Low	Acidic	No Serious Pests	Oval	20 to 30	10 to 30	Mod	•			•	
<i>Carpinus caroliniana</i>	American Hornbeam/Musclewood	Betulaceae		Yes	Mod	Moist to Well Drained	Low	Low	Acidic	No Serious Pests	Upright	20 to 30	20 to 30	Mod	•			•	
<i>Carya ovata</i>	Shagbark Hickory	Juglandaceae		Yes	Mod	Moist to Well Drained	Low	Mod	Acidic to Alkaline	No Serious Pests	Oval/ Irregular	30 to 50	60 to 80	Slow			•		Best in large landscapes
<i>Celtis occidentalis</i>	Common Hackberry	Cannabaceae		Yes	Mod	Occasionally Wet to Well Drained	Mod	Mod	Acidic	No Serious Pests	Rounded	40 to 50	60 to 70	Fast			•		Surface roots
<i>Cercidiphyllum japonicum</i>	Katsura tree	Cercidiphyllaceae		No	Low	Moist to Well Drained	Mod	Mod	Acidic to Mod Alkaline	No Serious Pests	Oval/Pyramidal	20 to 30	40 to 60	Fast			•		Surface roots
<i>Cercis canadensis</i>	Eastern Redbud	Fabaceae	Various	Yes	Mod	Moist to Well Drained	Low	Low	Neutral to Alkaline	No Serious Pests	Rounded	15 to 25	15 to 30	Mod	•			•	
<i>Chionanthus retusus</i>	Chinese Fringetree	Oleaceae		No	Low	Moist to Well Drained	Low	Low	Acidic to Alkaline	No Serious Pests	Rounded	15 to 25	15 to 25	Slow	•			•	Choose single stem/tree form
<i>Chionanthus virginicus</i>	White Fringetree	Oleaceae		No	Low	Moist to Well Drained	Mod	Low	Acidic to Mod Alkaline	No Serious Pests	Oval	10 to 20	10 to 20	Slow	•			•	Choose single stem/tree form
<i>Cladrastis kentukea</i>	American Yellowwood	Fabaceae		No	Mod	Well Drained	Low	Low	Acidic to Alkaline	Resistant	Rounded/Vase	20 to 50	40 to 50	Slow		•			Spreading surface roots
<i>Cornus kousa</i>	Kousa Dogwood	Cornaceae		No	Mod	Moist to Well Drained	Low	Mod	Acidic to Mod Alkaline		Rounded	20 to 30	20 to 30	Slow	•			•	Choose single stem/tree form
<i>Cornus mas</i>	Cornelian-Cherry Dogwood	Cornaceae		No	Low	Moist to Well Drained	Low	Mod	Acidic to Alkaline	No Serious Pests	Rounded	15 to 20	20 to 25	Slow	•			•	Choose single stem/tree form
<i>Corylus colurna</i>	Turkish Hazelnut	Betulaceae		No	High	Moist to Well Drained	Low	Low	Acidic to Alkaline	No Serious Pests	Oval/Pyramidal	15 to 35	40 to 50	Mod			•		
<i>Cotinus coggygria</i>	Eurasian Smoketree	Anacardaceae		No	Mod	Moist to Well Drained		Mod			Upright	10 to 15	10 to 15	Mod	•			•	Choose single stem/tree form

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<i>Cotinus obovatus</i>	American Smoketree	Anacardaceae		No	Mod	Moist to Well Drained		Mod	Neutral to Alkaline	No Serious Pests	Oval	10 to 20	20 to 30	Slow	•			•	Choose single stem/tree form
<i>Crataegus crusgalli var inermis</i>	Cockspur Thornless Hawthorn	Rosaceae	Various	Yes	High	Occasionally Wet to Well Drained	Mod	High	Acidic to Alkaline	Somewhat Sensitive	Rounded	10 to 25	15 to 30	Mod	•			•	
<i>Crataegus viridis</i>	Winter King Hawthorn	Rosaceae		No	High	Moist to Well Drained	Low	Low	Acidic to Alkaline		Rounded/Spreading	25 to 35	25 to 35	Mod	•				
<i>Eucommia ulmoides</i>	Hardy Rubber Tree	Eucommiaceae		No	High	Moist to Well Drained	Mod	Mod	Acidic to Alkaline	No Serious Pests	Rounded	30 to 50	40 to 60	Mod				•	
<i>Ginkgo biloba</i>	Ginkgo	Ginkgoaceae		No	High	Moist to Well Drained	Mod	Mod	Acidic to Alkaline		Pyramidal, Spreading	Variable	50 to 80	Slow				•	Choose male variety only
<i>Gleditsia triacanthos var inermis</i>	Thornless Honeylocust	Fabaceae	Various	Yes	High	Moist to Well Drained	High	High	Acidic to Alkaline	No Serious Pests	Rounded	30 to 70	30 to 70	Fast				•	Surface roots
<i>Gymnocladus dioica</i>	Kentucky Coffeetree	Fabaceae		No	High	Moist to Well Drained	Mod	High	Acidic to Alkaline	No Serious Pests	Upright to Rounded	40 to 70	50 to 70	Fast			•		
<i>Halesia carolina</i>	Carolina Silverbell	Styracaceae		No	Low	Moist to Well Drained	Low	Low	Acidic to Neutral	No Serious Pests	Upright to Rounded	20 to 35	30 to 40	Mod			•	•	
<i>Juniperus virginiana</i>	Eastern Red Cedar	Cupressaceae		Yes	High	Dry, Moist to Well Drained	High	High	Alkaline to Mod Acidic		Upright/Pyramidal	10 to 20	40 to 50	Mod				•	
<i>Koelreuteria paniculata</i>	Golden Raintree	Sapindaceae		No		Moist to Well Drained	High	High	Acidic to Neutral	No Serious Pests	Rounded	30 to 40	30 to 40	Fast			•		
<i>Liquidambar styraciflua</i>	Sweetgum	Hamamelidaceae		Yes	Mod	Extended Flooding, Well-Drained	Low	Mod	Acidic to Slightly Alkaline	Resistant	Pyramidal/Oval	35 to 50	60 to 75	Mod				•	Surface roots
<i>Liriodendron tulipifera</i>	Tuliptree	Magnoliaceae		Yes	Low	Moist to Well Drained	Low	Low	Acidic to Neutral	No Serious Pests	Pyramidal/Oval	35 to 50	70 to 90	Fast				•	Surface roots
<i>Maackia amurensis</i>	Amur maackia	Fabaceae		No	Mod	Moist to Well Drained	Low	Low	Acidic to Alkaline	No Serious Pests	Round	20 to 35	20 to 30	Slow	•			•	
<i>Magnolia virginiana</i>	Sweet Bay Magnolia	Magnoliaceae		No	Low	Occasionally wet to Moist.	Low	Mod	Acidic	No Serious Pests	Rounded	10 to 35	10 to 35	Mod			•		
<i>Malus spp.</i>	Crabapple	Rosaceae	Sugar Tyme; Prairie Fire; Donald Wyman, Snowdrift Various	No	High	Moist to Well Drained	Low	Low	Acidic to Alkaline	Somewhat Sensitive	Rounded	20 to 25	20 to 25	Mod	•			•	
<i>Metasequoia glyptostroboides</i>	Dawn Redwood	Cupressaceae		No	Med	Occasionally wet to Moist.	Low	Mod	Acidic to Neutral	Resistant	Upright Pyramidal	20 to 30	60 to 100	Fast				•	
<i>Nyssa sylvatica</i>	Blackgum	Nyssaceae		Yes	Mod	Extended Flooding to Well-Drained	Mod	Mod	Acidic	No Serious Pests	Pyramidal / Oval	20 to 30	30 to 60	Slow				•	
<i>Ostrya virginiana</i>	Ironwood	Betulaceae		Yes	High	Moist to Well Drained	Low	Mod	Acidic to Alkaline	No Serious Pests	Pyramidal/Rounded	15 to 40	25 to 40+	Slow			•		
<i>Parrotia persica</i>	Persian Ironwood	Hamamelidaceae		No	High	Moist to Well Drained	Low	Low	Acidic to Mod Alkaline		Oval/Rounded	15 to 30	20 to 40	Mod			•		
<i>Pinus strobus</i>	Eastern White Pine	Pinaceae		Yes	Low	Moist to Well Drained	Low	Low	Acidic to Mod Alkaline		Spreading	20 to 40	70 to 100	Fast				•	
<i>Platanus x acerifolia</i>	London Planetree	Platanaceae	Bloodgood; Various	No	Mod	Extended flooding to Well-Drained	Mod	Mod	Acidic to Alkaline	Resistant	Pyramidal / Rounded	50 to 70	75 to 90	Mod				•	Surface roots
<i>Platanus occidentalis</i>	Sycamore	Platanaceae		Yes	Mod	Extended Flooding to Well-Drained	Mod	Mod	Acidic to Alkaline	Sensitive	Pyramidal / Rounded	50 to 70	75 to 90	Fast				•	Surface roots
<i>Prunus 'Accolade'</i>	Accolade Flowering Cherry	Rosaceae		No	Low	Moist to Well Drained			Acidic to Alkaline		Rounded	25	20	Mod	•			•	
<i>Prunus sargentii</i>	Sargent Cherry	Rosaceae		No	Low	Moist to Well Drained	High	Mod	Acidic to Mod Alkaline			40 to 50	40 to 50	Fast			•		
<i>Prunus serrulata 'Kwanzan'</i>	Kwanzan Cherry	Rosaceae	Kwanzan	No	Low	Moist to Well Drained	Mod	Mod	Acidic to Mod Alkaline	Somewhat Sensitive	Rounded	15 to 20	15 to 20		•			•	

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<i>Prunus virginiana</i>	Choke Cherry	Rosaceae		Yes	High	Moist to Well Drained			Alkaline to Mod Acidic	Somewhat Sensitive	Rounded		10 to 25	Mod	●			●	Choose single stem/tree form
<i>Quercus alba</i>	White Oak	Fagaceae		Yes	High	Moist to Well Drained	Low	Low	Acidic to Neutral		Rounded/Spreading	100	50 to 80	Mod			●		
<i>Quercus bicolor</i>	Swamp White Oak	Fagaceae		Yes	High	Extended flooding to Well Drained	Mod	Mod	Acidic to Mod Alkaline	Resistant	Upright Oval / Rounded	50 to 60	50 to 70	Mod			●		
<i>Quercus imbricaria</i>	Shingle Oak	Fagaceae		Yes	Mod	Moist to Well Drained	Low	Low	Acidic to Mod Alkaline		Pyramidal/Oval	50 to 60	50 to 60	Slow			●		
<i>Quercus lyrata</i>	Overcup Oak	Fagaceae		No		Extended flooding to Well Drained			Acidic to Neutral		Rounded	35 to 50	45 to 70	Mod			●		
<i>Quercus macrocarpa</i>	Bur Oak	Fagaceae		Yes	High	Moist to Well Drained	High	High	Acidic to Alkaline	Resistant	Upright Oval / Spreading	40 to 60	60 to 70	Slow			●		
<i>Quercus muehlenbergii</i>	Chinkapin Oak	Fagaceae		Yes	High	Moist to Well Drained	Low	Low	Alkaline to Mod Acidic		Pyramidal/Rounded	50 to 70	50 to 80	Mod			●		
<i>Quercus palustris</i>	Pin Oak	Fagaceae		Yes	High	Moist	Low	High	Acidic	Resistant	Upright Pyramidal / Oval	40 to 50	60 to 80	Fast			●		
<i>Quercus robur fastigiata</i>	English Oak	Fagaceae		No	High	Moist to Well Drained	Low	Mod	Acidic to Alkaline		Upright Narrow Columnar	10 to 20	50 to 60	Slow			●		
<i>Quercus rubra</i>	Northern Red Oak	Fagaceae		Yes	High	Moist to Well Drained	Mod	Low	Acidic to Slightly Alkaline	Resistant	Rounded	60 to 80	50 to 60	Fast			●		Surface roots
<i>Quercus shumardii</i>	Shumard Oak	Fagaceae		Yes	High	Moist to Well Drained	Low	Mod	Acidic to Alkaline		Pyramidal/Rounded	40 to 60	40 to 60	Mod			●		
<i>Syringia reticulata</i>	Japanese Tree Lilac	Oleaceae	Ivory Silk	No	High	Moist to Well Drained	High	High	Acidic to Alkaline	Resistant	Oval to Rounded	15 to 20	20 to 30	Mod		●		●	
<i>Taxodium distichum</i>	Bald Cypress	Cupressaceae		No	High	Extended Flooding to Well-Drained	Mod	High	Acidic to mod Alkaline	Resistant	Pyramidal	25 to 35	60 to 80	Fast			●		
<i>Thuja occidentalis</i>	Eastern White Cedar, Arborvitae	Cupressaceae		Yes	Mod	Moist to Well Drained	High	Mod	Alkaline to Mod Acidic		Narrow/Pyramidal	10 to 15	40 to 60	Mod			●		
<i>Tilia americana</i>	American Linden, American Basswood	Malvaceae	Redmond	Yes	Mod	Moist to Moderately Well Drained	Low	Low	Slightly Acidic to Alkaline	No Serious Pests	Rounded	30 to 50	50 to 80	Mod			●		
<i>Tilia cordata</i>	Little-leaf Linden	Malvaceae	Greenspire	No	Mod	Moist to Moderately Well Drained	Low	Low	Slightly Acidic to Alkaline	No Serious Pests	Pyramidal to Rounded	30 to 40	40 to 60	Mod		●			
<i>Tilia tomentosa</i>	Silver Linden	Malvaceae		No	High	Moist to Moderately Well Drained	Low	Low	Acidic to Alkaline	Resistant	Broad Columnar	30 to 50	50 to 70	Mod			●		Surface roots
<i>Ulmus americana</i>	American Elm	Ulmaceae	Valley Forge; Princeton	Yes	Mod	Extended Flooding to Well-Drained	High	Mod	Acidic to Alkaline	Resistant	Vase	50 to 70	70 to 90	Fast			●		Surface roots, choose Dutch Elm Disease resistant cultivar
<i>Ulmus "Frontier"</i>	Frontier Elm	Ulmaceae	Frontier	No	High	Moist to Well Drained	High	High	Acidic to Alkaline	Resistant		20 to 30	30 to 40	Slow			●		
<i>Ulmus X</i>	Hybrid Elm	Ulmaceae	Patriot; Triumph; Accolade	No	High	Extended Flooding to Well-Drained	High	High	Acidic to Alkaline	Resistant	Vase	30 to 45	40 to 60	Fast			●		Surface roots, choose Dutch Elm Disease resistant cultivar
<i>Zelkova serrata</i>	Japanese Zelkova	Ulmaceae	Green Vase; Village Green	No	Mod	Moist to Moderately Well Drained	Low	Low	Acidic to Slightly Alkaline	No Serious Pests	Vase	40 to 50	60 to 80	Mod			●		

**The tree species and cultivars on this list are not the only suitable trees for planting in Macomb County. This list is merely intended to be used as a starting point. There are many more excellent native and non-native shade and ornamental trees that can be planted. The tree species and cultivars on this list should not be used exclusively for replacement planting or reforestation of large areas. The diversity of all tree species on individual streets, in neighborhoods, and in the entire community should be taken into consideration. Monocultures should be avoided. Please contact your the Michigan State University Extension office or Natural Resource Conservation Service for additional recommendations.*