Green Macomb Recommended Tree Species List January 2017

														Min. ROW Width						
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	< 3.5'	3.5 - 4.5'	4.5'+	Under Wire	s NOTES	
Acer buergerianum	Trident Maple	Sapindaceae		No	Yes	Moist to Well Drained	Mod	High				20 to 30	20 to 35	Slow		•		•	Choose tree form	
Acer griseum	Paperbark Maple	Sapindaceae		No	Mod	Moist to Well Drained	Mod	Mod	Acidic to Mod Alkaline		Round/Oval	10 to 30	20 to 30	Slow		•		•		
Acer pensylvanicum	Striped Maple	Sapindaceae		Yes		Moist to Well Drained						10 to 20	15 to 25		•			•		
Acer rubrum	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	
Acer saccharum	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	
Acer x freemanii	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			•		optiming variate 100th	
Aesculus × carnea	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		•				
Aesculus flava	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	
Amelanchier arborea	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	
Amelanchier x grandifloria	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	
Amelanchier laevis	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	
Asimina triloba	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	
Betula nigra	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	
Carpinus betulus	European Hornbeam	Betulaceae	Fastigiata; Various	No	Mod	Well Drained	Low	Low	Acidic	No Serious Pests	Oval	20 to 30	10 to 30	Mod	•			•		
Carpinus caroliniana	American Hornbeam/ Musclewood	Betulaceae		Yes	Mod	Moist to Well Drained	Low	Low	Acidic	No Serious Pests	Upright	20 to 30	20 to 30	Mod	•			•		
Caryo ovata	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	
Celtis occidentalis	Common Hackberry	Cannabaceae		Yes	Mod	Occassionally Wet to Well Drained	Mod	Mod	Acidic	No Serious Pests	Rounded	40 to 50	60 to 70	Fast			•		Surface roots	
Cercidiphyllum japonicum	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	
Cercis canadensis	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	•			•		
Chionanthus retusus	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	
Chionanthus virginicus	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	
Cladrastis kentukea	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	
Cornus kousa	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	
Cornus mas	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	
Corylus colurna	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			•			
Cotinus coggygria	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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Min. ROW Width Soil Drainage Native to Drought Soil Salt Salt Spray Mature Mature Growth Rate Botanical Name Common Name Cultivar Soil pH Pest Resistance Shape < 3.5' 3.5 - 4.5' 4.5'+ Under Wires Family MITolerance Spread (feet) Height (feet) Tolerance Tolerance Tolerance NOTES American Moist to Well Neutral to No Serious No Mod Mod Oval 10 to 20 20 to 30 Slow Cotinus obovatus Anacardaceae Choose single stem/tree form Alkaline Cockspur Occassionally Wet Acidic to Crataegus crusgalli vai Somewhat Thornless Various Yes High Mod High Rounded 10 to 25 15 to 30 Mod • Rosaceae to Well Drained Alkaline Inermis Sensitive Hawthorn Moist to Well Winter King Acidic to Rounded/ Crataegus viridis Rosaceae No High Low Low 25 to 35 25 to 35 Mod Hawthorn Alkaline Drained Hardy Rubber Moist to Well Acidic to No Serious Eucommia ulmoides No High Mod Mod Rounded 30 to 50 40 to 60 Mod Eucommiaceae Alkaline Moist to Well Acidic to Pyramidal, Ginkgo biloba Ginkgo No High Mod Variable 50 to 80 Slow Ginkgoaceae Choose male variety only Drained Alkaline Gleditsia triacanthos Thornless Moist to Well Acidic to No Serious Various High High High Rounded Fast Fabaceae Yes 30 to 70 30 to 70 Honeylocust Drained Alkaline Pests Surface roots var inermis Moist to Well Acidic to No Serious Kentucky Upright to Gymnocladus diocius Fabaceae No Mod High 40 to 70 50 to 70 Fast Coffeetree Drained Alkaline Moist to Well Acidic to No Serious Upright to Carolina Silverbell Halesia carolina Styracaceae No Low Low 20 to 35 30 to 40 Mod Neutral Rounded Drained Pests Eastern Red Dry, Moist to We Alkaline to Jpright/Pyrar Yes High High High 10 to 20 Mod 40 to 50 Juniperus virginiana Cupressaceae Cedar Mod Acidic dal Drained Moist to Well Acidic to No Serious Golden Raintree High High Sapindaceae No Rounded 30 to 40 30 to 40 Fast Koelreuteria paniculata Drained Neutral Pests Acidic to Liquidambar Extended Floodig Mod Resistant Pyramidal/Oval 35 to 50 Mod Sweetgum Hamamelidaceae Yes Low Mod Slightly 60 to 75 Well-Drained styraciflua Alkaline Moist to Well Acidic to No Serious Pyramidal/Oval iriodendron tulipifera Tuliptree Magnoliaceae 35 to 50 70 to 90 Fast Drained Pests Neutral Surface roots Moist to Well Acidic to No Serious No Mod Slow Maackia amurensis Fabaceae Low Low 20 to 35 20 to 30 Amur maackia Round Drained Alkaline Pests Sweet Bay Occassionally wet No Serious No Mod Acidic Mod Magnolia virginiana Magnoliaceae Low Rounded 10 to 35 10 to 35 Low Magnolia to Moist. Pests Sugar Tyme; Prairie Fire; Moist to Well Acidic to Somewhat Malus spp. Crabapple High 20 to 25 20 to 25 Mod Rosaceae Low Rounded Low Donald Wyman, Drained Alkaline Sensitive Snowdrift Various Metasequoia Occassionally wet Acidic to Upright Med Mod Dawn Redwood Cupressaceae No Resistant 20 to 30 60 to 100Fast glyptostroboides to Moist. Neutral Pyramidal Extended Pyrmadial / No Serious Blackgum Yes Mod Floodingto Well-Mod Mod Acidic 20 to 30 30 to 60 Slow Nyssa sylvatica Nyssaceae Pests Drained Moist to Well Acidic to No Serious Pyramidal/ Ostrya virginiana Ironwood Betulaceae Yes High Low Mod 15 to 40 25 to 40+ Slow Rounded Drained Moist to Well Acidic to No Oval/Rounded 15 to 30 Hamamelidacea 20 to 40 Mod Mod Alkalin Drained Eastern White Moist to Well Acidic to Yes Pinaceae Low Low Low Spreading 20 to 40 70 to 100 Fast Mod Alkalin Pine Drained Bloodgood; extended flooding Acidic to Pyramidal, London Planetree Platanaceae Mod Mod Mod 50 to 70 75 to 90 Mod Platanus x acerifolia No Resistant to Well-Drained Rounded Various Alkaline Extended Acidic to Pyramidal / Platanus occidentalis Flooding to Well-Mod Sensitive 50 to 70 75 to 90 Fast Sycamore Alkaline Rounded Drained Surface roots Accolade Moist to Well Acidic to Prunus 'Accolade' 25 Rosaceae No Low Rounded 20 Mod Drained Moist to Well Acidic to Mod Sargent Cherry No Low High 40 to 50 40 to 50 Fast Prunus sargentii Rosaceae Mod Alkalin Drained Moist to Well Acidic to Somewhat Low Mod Mod Rounded 15 to 20 15 to 20 Kwanzan Cherry Rosaceae Kwanzan No 'Kwanzan' Mod Alkalir Drained

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Min. ROW Width Soil Drainage Native to Drought Soil Salt Salt Spray Mature Mature Cultivar Soil pH Pest Resistance Growth Rate < 3.5' 3.5 - 4.5' 4.5' +Under Wires Botanical Name Common Name Family Shape MITolerance Spread (feet) Height (feet) Tolerance Tolerance Tolerance NOTES Moist to Well Alkaline to Somewhat Choke Cherry High Rounded 10 to 25 Mod Yes • Prunus virginiana Rosaceae Mod Acidic Choose single stem/tree form Drained Sensitive Moist to Well Rounded/ Yes Low 100 Quercus alba White Oak Fagaceae Low 50 to 80 Mod Neutral Drained Spreading Swamp White Extended flooding Acidic to Upright Oval Quercus bicolor Yes Mod Mod Resistant 50 to 60 50 to 70 Mod Fagaceae to Well Drained Oak Mod Alkalin Rounded Moist to Well Acidic to Shingle Oak Yes Mod Low Low Pyramidal/Oval 50 to 60 50 to 60 Slow Quercus imbricaria Fagaceae Drained Mod Alkaline xtended flooding Acidic to Overcup Oak No Rounded 35 to 50 45 to 70 Mod Quercus lyrata Fagaceae o Well Drained Neutral Moist to Well Acidic to Upright Oval Bur Oak Yes High High High Resistant 40 to 60 Slow Quercus macrocarpa Fagaceae 60 to 70 Drained Alkaline Spreading Moist to Well Alkaline to Pyramidal/ Ouercus muehlenbergii Chinkapin Oak Yes High Low Low 50 to 70 50 to 80 Mod Fagaceae Mod Acidic Drained Rounded Upright High Pyramidal, 40 to 50 60 to 80 Quercus palustris Fagaceae Yes Low High Acidic Resistant Fast Oval Quercus robar Moist to Well Acidic to Jpright Narro English Oak No High Low Mod 10 to 20 50 to 60 Slow Fagaceae Drained Alkaline Columnar Acidic to Northern Red Moist to Well High Quercus rubra Fagaceae Yes Mod Low Slightly Resistant Rounded 60 to 80 50 to 60 Fast Drained Alkaline Surface roots Moist to Well Acidic to Pyramidal, Shumard Oak Yes High Low Mod 40 to 60 40 to 60 Mod Quercus shumardii Fagaceae Alkaline Rounded Drained Japanese Tree Moist to Well Acidic to Oval to Oleaceae Ivory Silk No High High High 15 to 20 20 to 30 Mod Syringia reticulata Resistant Lilac Alkaline Drained Rounded Extended cidic to mod Bald Cypress Taxodium distichum High looding to Well-Mod High Resistant 25 to 35 60 to 80 Cupressaceae No Pyramidal Fast Alkaline Drained Moist to Well High Thuja occidentalis Yes Mod Mod 10 to 15 40 to 60 Mod Cupressaceae Mod Acidic edar Arborvit Drained Pyramidal merican Linden lightly Acidic No Serious Moist to Redmond Mod Rounded 30 to 5050 to 80 Mod Tilia americana Malvaceae Yes Low Low American to Alkaline Pests Moderately Well Basswood Drained Moist to Pyramidal to lightly Acidic No Serious Tilia cordata Little-leaf Linden Malvaceae Greenspire Mod Moderately Well Low Low 30 to 40 40 to 60 Mod to Alkaline Pests Rounded Drained Moist to Acidic to 30 to 50 50 to 70 Tilia tomentosa Silver Linden Malvaceae No Moderately Well Low Low Resistant Broad Columnar Mod Alkaline Drained Surface roots Extended Valley Forge; Acidic to Ulmus americana American Elm Ulmaceae Yes Mod Flooding to Well-High Mod Resistant Vase 50 to 70 70 to 90 Fast Surface roots, choose Dutch Elm Alkaline Princeton Drained Disease resistant cultivar Moist to Well Acidic to High High High 20 to 30 30 to 40 Slow Ulmus "Frontier" Frontier Elm Ulmaceae Frontier No Resistant Drained Alkaline Extended Patriot; Triumph; Acidic to Ulmus XHybrid Elm Flooding to Well-High High Fast Ulmaceae No Resistant 40 to 60 Surface roots, choose Dutch Elm Alkaline Drained Disease resistant cultivar Moist to Acidic to Green Vase; No Serious Ulmaceae Mod Moderately Well Slightly 40 to 50 60 to 80 Mod Zelkova serrata Japanese Zelkova No Low Vase Low Village Green

^{*}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.