

## 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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|--|-----------------------------|----------------|---|--------------|-------------------|-----------------------------------|---------------------|----------------------|-----------------------------|--------------------|----------------------|----------------------|----------------------|-------------|----------------|------------|-------|-------------|------------------------------|
|  |                             |                |   |              |                   |                                   |                     |                      |                             |                    |                      |                      |                      |             | < 3.5'         | 3.5 - 4.5' | 4.5'+ | Under Wires |                              |
| <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 gypstroboides</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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|---------------------------------|------------------------------------|--------------|----------------------------|--------------|-------------------|-----------------------------------|---------------------|----------------------|-----------------------------|--------------------|--------------------------|----------------------|----------------------|-------------|----------------|------------|-------|-------------|--|
|                                 |                                    |              |                            |              |                   |                                   |                     |                      |                             |                    |                          |                      |                      |             | < 3.5'         | 3.5 - 4.5' | 4.5'+ | Under Wires |  |
| <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.*