

## Recommended Street Tree Planting List

Botanical Name	Common Name	Cultivar	Native	Drought Tolerance	Soil Drainage Tolerance	Soil Salt Tolerance	Salt Spray Tolerance	Soil pH	Pest Resistance	Shape	Mature Spread (feet)	Mature Height (feet)	Growth Rate	Outlawn < 4'	Outlawn 4 - 6'	Outlawn > 6'	Overhead Wires
<i>Acer rubrum</i>	Red Maple	Various	Yes	Mod	Extended Flooding to Well Drained	Poor	Low	Acidic	Resistant	Round/Oval	30 to 50	60 to 75	Fast			•	
<i>Acer x freemanii</i>	Freeman Maple	Armstrong; Autumn Blaze	Hybrid	Mod	Extended Flooding to Well Drained	Poor	Low	Acidic to Mod Alkaline	Resistant	Upright/Oval	30 to 50	40 to 60	Fast			•	
<i>Aesculus x carnea</i>	Red Horsechestnut	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>Amelanchier x grandiflora</i>	Serviceberry or Juneberry	Autumn Brilliance; Princess Diana	Hybrid	Low to Mod	Well Drained	Low	Low	Acidic to Neutral	No Serious Pests	Rounded	10 to 15	10 to 25	Mod	•	•	•	•
<i>Carpinus betulus</i>	European Hornbeam	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		Yes	Mod	Moist to Well Drained	Low	Low	Acidic	No Serious Pests	Upright	20 to 30	20 to 30	Mod	•	•	•	•
<i>Celtis occidentalis</i>	Eastern Hackberry		Yes	Mod	Occasionally Wet to Well Drained	Mod	Mod	Acidic	No Serious Pests	Rounded	40 to 50	60 to 70	Fast			•	
<i>Cercidiphyllum japonicum</i>	Katsuratree		No	Low	Moist	High	High	Acidic to Slightly Alkaline	No Serious Pests	Upright to Pyramidal	30 to 40	30 to 40	Mod		•	•	
<i>Cercis canadensis</i>	Redbud	Various	Yes	Mod	Moist to Well Drained	Low	Low	Neutral to Alkaline	No Serious Pests	Rounded	15 to 25	15 to 30	Mod	•	•	•	•
<i>Crataegus crusgalli var inermis</i>	Cockspur Thornless Hawthorn		Yes	High	Occasionally Wet to Well Drained	Mod	High	Acidic to Alkaline	Somewhat Sensitive	Rounded	10 to 25	10 to 15	Mod	•	•	•	•
<i>Crataegus viridis</i>	Green hawthorn	Winter King	No	High	Occasionally Wet to Well Drained	Mod	High	Acidic to Alkaline	Somewhat Sensitive	Upright Vase to Spreading	15 to 20	10 to 15	Mod	•	•	•	•
<i>Ginkgo biloba</i>	Ginkgo	male trees only	No	High	Moist to Well Drained	High	High	Acidic to Alkaline	No Serious Pests	Round/Pyramidal	30 to 60	50 to 75	Slow		•	•	
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree		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>Koeleruteria paniculata</i>	Golden Raintree		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		Yes	Mod	Extended Flooding to Well-Drained	Low	Mod	Acidic to Slightly Alkaline	Resistant	Pyramidal/Oval	35 to 50	60 to 75	Mod			•	
<i>Liriodendron tulipifera</i>	Tuliptree		Yes	Low	Moist to Well Drained	Low	Low	Acidic to Neutral	No Serious Pests	Pyramidal/Oval	35 to 50	70 to 90	Fast			•	
<i>Malus spp.</i>	Crabapple	Sugar Tyme; Prairie Fire; 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		No	Low	Occasionally wet to Moist. Extended Flooding to Well-Drained	Low	Low	Acidic to Neutral	Resistant	Upright Pyramidal	20 to 30	60 to 80	Fast			•	
<i>Nyssa sylvatica</i>	Blackgum		No	Low	Flooding to Well-Drained	Low	High	Acidic	No Serious Pests	Pyramidal / Oval	25 to 35	65 to 75	Slow			•	
<i>Platanus x acerifolia</i>	London Planetree	Bloodgood; Various	No	Mod	Extended flooding to Well-Drained	Mod	Mod	Acidic to Alkaline	Resistant	Pyramidal / Rounded	50 to 70	75 to 90	Mod			•	
<i>Quercus bicolor</i>	Swamp White Oak		Yes	High	Extended flooding to Well Drained	Mod	Mod	Acidic to Slightly Alkaline	Resistant	Upright Oval / Rounded	50 to 60	50 to 70	Mod			•	
<i>Quercus macrocarpa</i>	Bur Oak		Yes	High	Moist to Well Drained	High	High	Acidic to Alkaline	Resistant	Upright Oval / Spreading	40 to 60	60 to 70	Slow			•	
<i>Quercus palustris</i>	Pin Oak		Yes	High	Moist	Low	High	Acidic	Resistant	Upright Pyramidal / Oval	40 to 50	60 to 80	Fast			•	
<i>Quercus rubra</i>	Northern Red Oak		Yes	High	Moist to Well Drained	High	Low	Acidic to Slightly Alkaline	Resistant	Rounded	60 to 80	50 to 60	Fast			•	

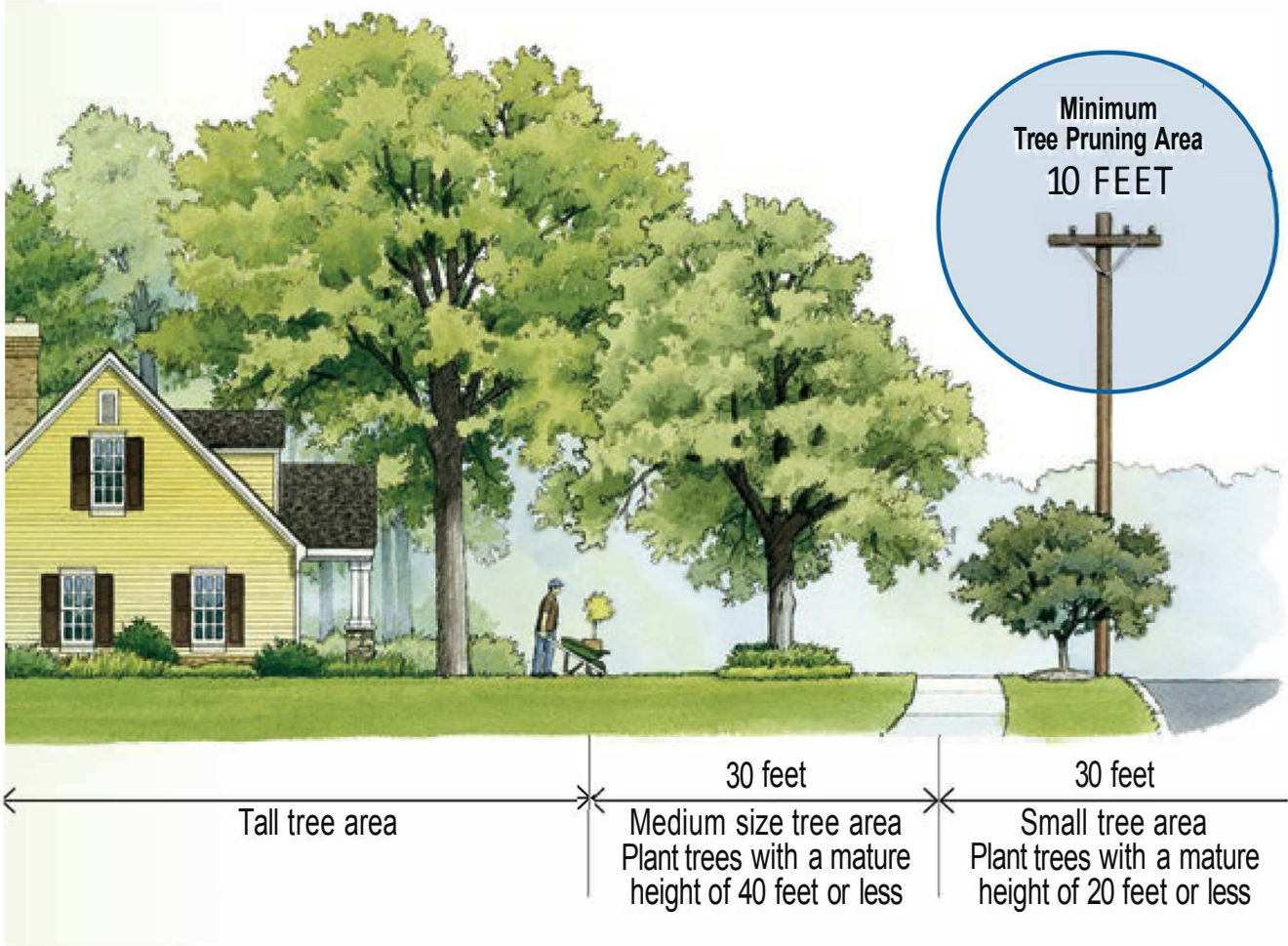
<i>Taxodium distichum</i>	Bald Cypress		No	High	Extended Flooding to Well-Drained	High	High	Acidic to Slightly Alkaline	Resistant	Pyramidal	25 to 35	60 to 80	Fast	•
<i>Tilia americana</i>	American Linden		Yes	Mod	Moist to Moderately Well Drained	Low	Low	Slightly Acidic to Alkaline	No Serious Pests	Rounded	30 to 50	50 to 80	Mod	•
<i>Tilia cordata</i>	Little-leaf Linden	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		No	High	Moist to Moderately Well Drained	Low	Low	Acidic to Alkaline	Resistant	Broad Columnar	30 to 50	50 to 70	Mod	•
<i>Ulmus americana</i>	American Elm	Valley Forge; Princeton	Yes	Mod	Extended Flooding to Well-Drained	High	Mod	Acidic to Alkaline	Resistant	Vase	50 to 70	70 to 90	Fast	•
<i>Ulmus X</i>	Hybrid Elm	Patriot; Triumph; Accolade	No	High	Extended Flooding to Well-Drained	High	High	Acidic to Alkaline	Resistant	Vase	30 to 45	40 to 60	Fast	•
<i>Zelkova serrata</i>	Zelkova	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 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. The tree species and cultivars on this list are not the only suitable trees for planting in Michigan communities. 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. Please contact your local Michigan State University Extension office or Natural Resource Conservation Service for additional recommendations.*



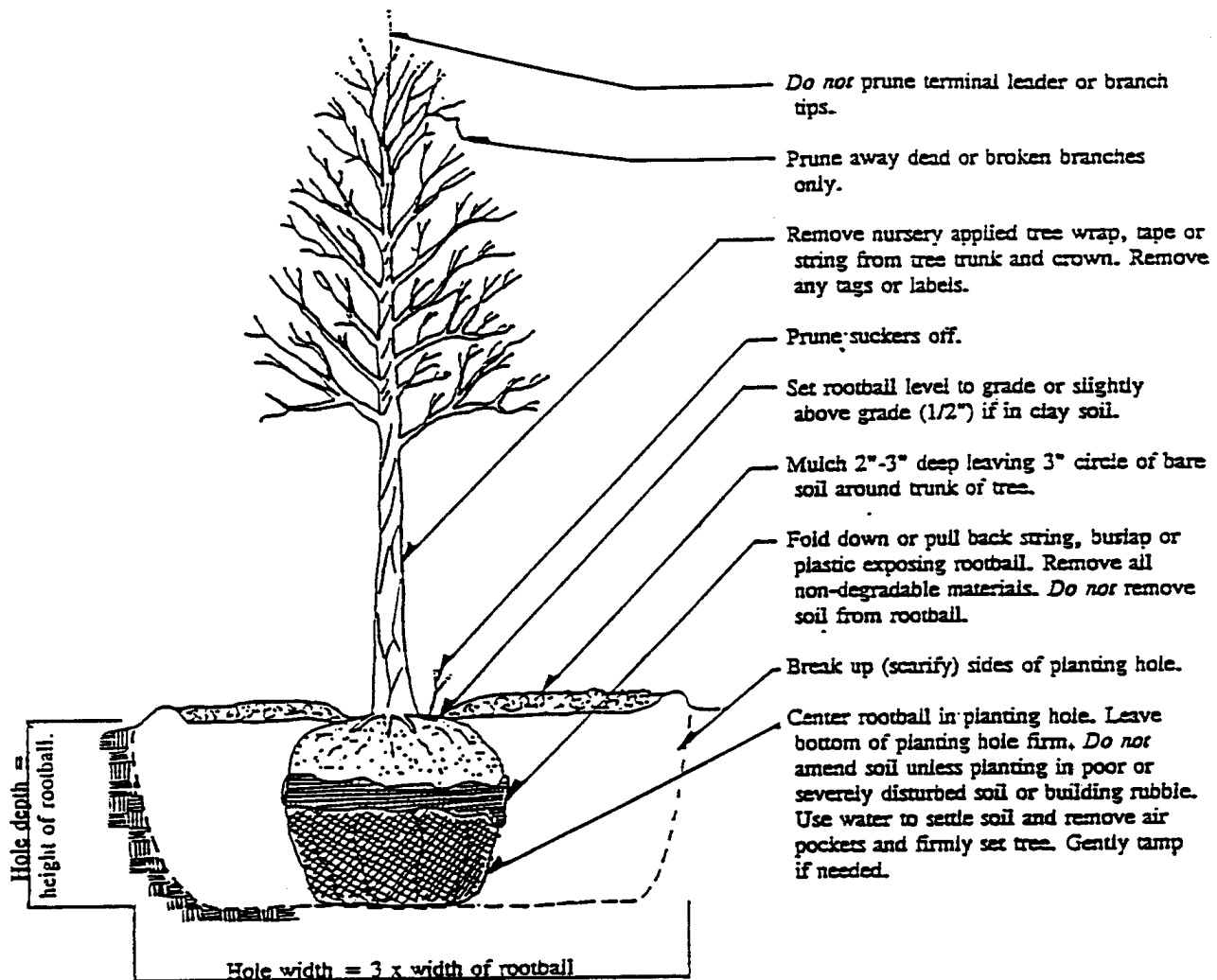
## Planting Smart

Making smart choices about what to plant and where to plant it can go a long way toward making your property a safer place. For instance, no trees should be planted near high-voltage transmission lines Ucom;any/what-we-do/electric-generationl. If you choose the right tree, however, it is safe to plant under or near distribution lines.



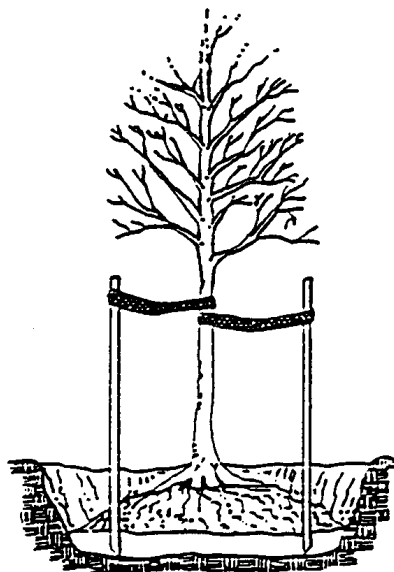
### Choose the Right Tree

If you plant under or near power lines, make sure you choose a tree variety that won't interfere with them, even when full-grown.



Do not stake unless in heavy clay soil, windy conditions, 3" or greater diameter tree trunk or large crown. If staking is needed due to these conditions:

- Stake with 2 X 2 hardwood stakes or approved equal driven 6"-8" outside of rootball.
- Loosely stake tree trunk to allow for trunk flexing.
- Stake trees just below first branch with 2"-3" wide belt-like, nylon or plastic straps (2 per tree on opposite sides of tree, connect from tree to stake horizontally. Do not use rope or wire through a hose.)
- Remove all staking materials after 1 year.



## TREE PLANTING DETAIL

Scale: No scale

Modified from Dr. Bonnie Appleton, Virginia Polytechnic Institute and State University  
 Courtesy of Michigan Department of Natural Resources, Forest Management Division

