

## ALTERNATIVES TO ASH TREES

Dr. Laura G. Jull  
Dept. of Horticulture, University of Wisconsin-Madison

### Large to Medium-sized Street/Urban Trees

|   |  |
|---|--|
| * <i>Acer</i> × <i>freemanii</i>                          | Freeman maple (hardy to zone 3b-4a, depends on cultivar)   |
| <i>Acer</i> <i>miyabei</i> ‘Morton’                       | State Street <sup>®</sup> Miyabe maple (hardy to zone 4a)  |
| <i>Acer</i> <i>platanoides</i>                            | Norway maple (zone 4b), very invasive  |
| * <i>Acer</i> <i>rubrum</i>                               | Red maple (in acidic soils <u>only!</u> ) (hardy to zone 3b-5b, depends on cultivar)   |
| <i>Acer</i> ‘Warrenred’                                   | Pacific Sunset <sup>®</sup> maple (hardy to zone 4b)   |
| * <i>Celtis</i> <i>occidentalis</i>                       | Common hackberry (hardy to zone 3b)  |
| <i>Corylus</i> <i>colurna</i>                             | Turkish filbert (sensitive to road salt) (hardy to zone 4b)  |
| <i>Ginkgo</i> <i>biloba</i>                               | Ginkgo (plant male cultivars <u>only</u> : ‘Autumn Gold’, ‘Fairmount’, ‘Magyar’, ‘PNI 22720’ (Princeton Sentry <sup>®</sup> ), ‘Saratoga’, Shangri-La <sup>®</sup> (zone 4b)   |
| * <i>Gleditsia</i> <i>triacanthos</i> var. <i>inermis</i> | Thornless honeylocust (plant male cultivars <u>only</u> : ‘Christie’ (Halka <sup>™</sup> ), ‘Harve’ (Northern Acclaim <sup>®</sup> ), ‘Impcole’ (Imperial <sup>®</sup> ), ‘PNI 2835’ (Shademaster <sup>®</sup> ), ‘Skycole’ (Skyline <sup>®</sup> ), ‘Suncole’ (Sunburst <sup>®</sup> ), ‘True Shade’ (hardy to zone 4a)   |
| * <i>Gymnocladus</i> <i>dioica</i>                        | Kentucky coffeetree (‘Espresso’, ‘J.C. McDaniel’ (Prairie Titan <sup>™</sup> are males, no fruit) (hardy to zone 4a)   |
| <i>Phellodendron</i> <i>amurense</i> ‘Macho’              | Macho Amur corktree (plant males only as females are invasive) (hardy to zone 3b)  |
| <i>Phellodendron</i> <i>lavallei</i> ‘Longenecker’        | Eyestopper <sup>™</sup> Lavalle corktree (male) (hardy to zone 4b)   |
| <i>Phellodendron</i> <i>sachalinense</i> ‘His Majesty’    | His Majesty Sakhalin corktree (male) (hardy to zone 3b)  |
| * <i>Quercus</i> <i>bicolor</i>                           | Swamp white oak (hardy to zone 4a)   |
| <i>Quercus</i> × <i>bimundorum</i> ‘Crimschmidt’          | Crimson Spire <sup>™</sup> oak (tall, columnar form) (hardy to zone 4b)  |
| <i>Quercus</i> <i>imbricaria</i>                          | Shingle oak (acidic soils <u>only!</u> ) (hardy to zone 4b)  |
| * <i>Quercus</i> <i>macrocarpa</i>                        | Bur oak (hardy to zone 3a)   |
| <i>Quercus</i> × <i>macdenielli</i> ‘Clemon’s             | Heritage <sup>®</sup> oak (hardy to zone 4)  |
| * <i>Quercus</i> <i>muehlenbergii</i>                     | Chinkapin oak (hardy to zone 4b)   |
| <i>Quercus</i> <i>palustris</i>                           | Pin oak (hardy to zone 4b) (acid soils <u>only!</u> )  |
| <i>Quercus</i> <i>robur</i>                               | English oak ‘Fastigiata’ (Skyrocket <sup>®</sup> ), ‘Pyramich’ (Skymaster <sup>®</sup> ) (zone 5a only)  |
| <i>Quercus</i> Rosehill <sup>®</sup>                      | Rosehill oak (hardy to zone 4b)  |
| * <i>Quercus</i> × <i>schuettei</i>                       | Swamp bur oak (hardy to zone 3b)   |
| <i>Quercus</i> × <i>warei</i> ‘Long’                      | Regal Prince <sup>®</sup> oak (tall, columnar form) (hardy to zone 4b)   |
| <i>Taxodium</i> <i>distichum</i>                          | Baldcypress (hardy to zone 4b, use northern plant/seed source)   |
| * <i>Tilia</i> <i>americana</i>                           | American linden (sensitive to road salt) (hardy to zone 3a)  |
| <i>Tilia</i> <i>cordata</i>                               | Littleleaf linden (sensitive to road salt) (hardy to zone 3b)  |
| <i>Tilia</i> × <i>euchlora</i>                            | Crimean linden (sensitive to road salt) (hardy to zone 4b)   |
| <i>Tilia</i> × <i>flavescens</i> ‘Glenleven’              | Glenleven linden (sensitive to road salt) (hardy to zone 4)  |
| <i>Tilia</i> ‘Harvest Gold’                               | Harvest Gold linden (sensitive to road salt) (hardy to zone 3b)  |
| <i>Tilia</i> ‘Redmond’                                    | Redmond linden (sensitive to road salt) (hardy to zone 4a)   |
| <i>Tilia</i> <i>tomentosa</i>                             | Silver linden (sensitive to road salt) (hardy to zone 4b)  |
| * <i>Ulmus</i> <i>americana</i>                           | American elm (DED resistant cultivars: ‘New Harmony’, ‘Princeton’, ‘Valley Forge’) (hardy to zone 3a)  |
| <i>Ulmus</i> hybrids (hardy to zones 3-5)                 | Hybrid elms (DED resistant cultivars: ‘Frontier’ (zone 5), ‘Homestead’, ‘Morton’ (Accolade <sup>®</sup> ), ‘Morton Glossy’ (Triumph <sup>™</sup> ), ‘Morton Plainsman’ (Vanguard <sup>™</sup> ), ‘Morton Red Tip’ (Danada Charm <sup>™</sup> ), ‘Morton Stalwart’ (Commendation <sup>™</sup> ) (Zone 5), ‘New Horizon’ (zone 3b), ‘Patriot’ (zone 5), ‘Pioneer’ (zone 5) |
| <i>Ulmus</i> <i>japonica</i> ‘Discovery’                  | Discovery Japanese elm (hardy to zone 3)   |

|                                      |                                  |
|--------------------------------------|----------------------------------|
| <i>Ulmus parvifolia</i>              | Lacebark elm (hardy to zone 5b)  |
| <i>Ulmus wilsoniana</i> 'Prospector' | Prospector elm (hardy to zone 4) |

### **Small Urban Area or Street Trees**

|  |  |
|--|--|
| <i>Acer tataricum</i>  | Tatarian maple (hardy to zone 3a)  |
| <i>Acer truncatum</i>  | Shantung maple (hardy to zone 3b)  |
| * <i>Crataegus crus-galli</i> var. <i>inermis</i>  | Thornless cockspur hawthorn (hardy to zone 4a)                               |
| <i>Crataegus phaenopyrum</i>   | Washington hawthorn (has thorns) (hardy to zone 4b)                          |
| <i>Crataegus viridis</i> 'Winter King'   | Winter King hawthorn (very few if any thorns) (hardy to zone 4b)             |
| <i>Maackia amurensis</i>   | Amur maackii (hardy to zone 4a)  |
| <i>Malus</i> spp. (hardy to zone 4a)   | Flowering crabapple ( <u>choose from disease resistant cultivars below</u> ) |
| <u>White flowers/red fruit:</u> 'Adirondack', 'Guinzam' (Guinevere <sup>®</sup> ), 'Jewelcole' (Red Jewel <sup>®</sup> ), 'Kinarzam' (King Arthur <sup>®</sup> ), 'Sutyzam' (Sugar Tyme <sup>®</sup> ), <i>Malus baccata</i> 'Jackii', <i>Malus sargentii</i> 'Select A' (Firebird <sup>®</sup> ), <i>Malus sargentii</i> 'Tina', <i>Malus</i> × <i>zumi</i> var. <i>calocarpa</i> |  |
| <u>White flowers/yellow fruit:</u> 'Bob White', 'Cinzam' (Cinderella <sup>®</sup> ), 'Excizam' (Excalibur™), 'Lanzam' (Lancelot <sup>®</sup> ), 'Ormiston Roy'   |  |
| <u>Pink or reddish flowers/red to purplish-red fruit:</u> 'Camzam' (Camelot™), <i>Malus sargentii</i> 'Candymint', 'Canterzam' (Canterbury™), 'Cardinal', 'JFS-KW5' (Royal Raindrops <sup>®</sup> ), 'Orange Crush', 'Parsi' (Pink Princess <sup>®</sup> ), 'Prairifire', 'Prairie Maid', 'Purple Prince'  |  |
| <u>Weeping to semi-weeping form:</u> 'Coral Cascade', 'Louisa', 'Luwick', 'Manbeck Weeper' (Anne E. <sup>®</sup> ), 'Molazam' (Molten Lava <sup>®</sup> )  |  |
| <i>Prunus sargentii</i>  | Sargent cherry (requires good drainage) (hardy to zone 4b)                   |
| <i>Prunus</i> 'Accolade'   | Accolade cherry (requires good drainage) (hardy to zone 4b)                  |
| <i>Pyrus calleryana</i> 'Autumn Blaze'   | Autumn Blaze callery pear (hardy to zone 4b)                                 |
| <i>Syringa pekinensis</i>  | Peking lilac (requires good drainage) (hardy to zone 4a)                     |
| <i>Syringa reticulata</i>  | Japanese tree lilac (requires good drainage) (hardy to zone 3a)              |

\*Native to Wisconsin

### **U.S.D.A. Cold Hardiness Zones**

Zone 3a (cold hardy to –35 to –40°F): northwestern Wisconsin

Zone 3b (cold hardy to –30 to –35°F): most of northern Wisconsin

Zone 4a (cold hardy to –25 to –30°F): northern central and extreme northwestern Wisconsin

Zone 4b (cold hardy to –20 to –25°F): southwestern and central Wisconsin and along shore of Lake Superior

Zone 5a (cold hardy to –15 to –20°F): southeastern and eastern Wisconsin up to Door County and Madison near the lakes

Zone 5b (cold hardy to –10 to –15°F): Milwaukee, Racine, and Kenosha areas near Lake Michigan