

STREET TREE ALTERNATIVES TO ASH TREES

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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 [®] 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 [®] 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 [®]), 'Saratoga', Shangri-La [®] (zone 4b)
* <i>Gleditsia</i> <i>triacanthos</i> var. <i>inermis</i>	Thornless honeylocust (plant male cultivars <u>only</u> : 'Christie' (Halka [™]), 'Harve' (Northern Acclaim [®]), 'Impcole' (Imperial [®]), 'PNI 2835' (Shademaster [®]), 'Skycole' (Skyline [®]), 'Suncole' (Sunburst [®]), 'True Shade' (hardy to zone 4a)
* <i>Gymnocladus</i> <i>dioica</i>	Kentucky coffeetree ('Espresso', 'J.C. McDaniel' (Prairie Titan [™] 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>lavalleyi</i> 'Longenecker'	Eyestopper [™] Lavalley 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 [™] 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 [®] 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 [®]), 'Pyramich' (Skymaster [®]) (zone 5a only)
<i>Quercus</i> Rosehill [®]	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 [®] 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 [®]), 'Morton Glossy' (Triumph [™]), 'Morton Plainsman' (Vanguard [™]), 'Morton Red Tip' (Danada Charm [™]), 'Morton Stalwart' (Commendation [™]) (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)

- + *Ulmus parvifolia* Lacebark elm (hardy to zone 5b)
 + *Ulmus wilsoniana* 'Prospector' Prospector elm (hardy to zone 4)

Small Urban Area or Street Trees

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

*Native to Wisconsin

+Susceptible to adult Japanese beetle foliar feeding

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