

## Right-of-Way Recommended Tree List

### Small Shade Trees and Shrubs

Common Name and Scientific Name	Hardiness	Soils	Height	Growth Rate	Growth Rate
Cockspur Hawthorn <i>Crataegus crusgalli</i>	Zone 4b	Moist, well-drained soils, tolerates droughty soils as well	15' to 20', spreading form almost equal to height	Slow to moderate	Clusters of white flowers in spring.
Japanese Tree Lilac <i>Syringa reticulata</i>	Zone 3b	Moist, well-drained, slightly acid soils	25' Oval form	Slow to moderate, about 9" to 1' per year	Tree form of Lilac. Native to Japan.
Pekin Lilac <i>Syringa pekinensis</i>	Zone 3b	Moist, well-drained and slightly acid soils	25' Oval form	Slow to moderate, about 1' per year	Similar to Japanese Lilac tree but a little bushier.
Crab Apple Varieties	Varies				Check with local nursery.

### Medium Shade Trees

Common Name and Scientific Name	Hardiness	Soils	Height	Growth Rate	Growth Rate
Ohio Buckeye <i>Aesculus glabra</i>	Zone 4a	Moist, well-drained soils that are slightly acid, tolerates neutral soils	30' to 40', spread to equal height	Slow to moderate, about 1' per year	Likes irrigation. Nut is considered poisonous to humans and livestock.
Homestead Buckeye <i>Aesculus x "Homestead"</i>	Zone 4a	Best suited to moist, well-drained soils that are slightly acid, can perform well on even slightly alkaline sites	25' to 30', spread to equal height	Slow, slightly less than 1' per year	Nice red autumn color. Hybrid between Yellow and Ohio Buckeye.
Ussurian Pear <i>Pyrus ussuriensis</i>	Zone 3b	Performs best on moist, loam soils. Will tolerate a slightly alkaline soil.	30' to 35'	Slow to moderate, about 1' per year	Hardy tree. Fruit is hard and gritty.
Little Leaf Linden <i>Tilia cordata</i>	Zone 3b	Moist, well-drained soils, but grows reasonably well on clay soils.	40'; Pyramidal, rounded form	Moderate, a little more than 1' per year	Hardy tree. Nice specimen tree.

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Freeman Maple <i>Acer x freemanii</i> Murray	Zone 4	Well-drained	30' to 50'	Fast, 2" or more per year	Hybrid between a Red and Silver Maple. Varieties: Autumn Blaze and Sienna Glen.
Boxelder <i>Acer negundo</i>	Zone 3a	Performs well on a wide range of soil, from wet to dry	30' to 50', rounded form	Fast, perhaps 2' per year	Tough to find in nurseries. Sensation variety is available.
Silver Maple <i>Acer saccharinum</i> L.	Zone 3b	Well-drained	50' to 60'	Fast, perhaps 2' or more per year	May suffer wind damage when mature.
Hackberry <i>Celtis occidentalis</i> L.	Zone 3b	Moist soils, can tolerate drier sites.	40' to 60'	Moderate to fast, 2' per year, slows as it ages	Native tree. Unique curly bark. Small purple fruit. Open branching habit. Late to leaf out. Drops leaves early.
Honey Locust <i>Gleditsia triacanthos</i> L.	Zone 4b	Tolerant of moist and dry sites	30' to 60'	Moderate to fast, 2' per year	Delicate foliage. Adaptable to most areas of region.
Kentucky Coffee Tree <i>Gymnocladus dioica</i> L.	Zone 4b	Moist, well-drained	40' to 60'	Slow to moderate, 6" to 9" per year	Can tolerate dry sites. Open branching habit. Late to leaf out. Drops leaves early.
Black Walnut <i>Juglans nigra</i> L.	Zone 4a	Moist, well-drained	50' Oval form	Slow to moderate, 1' per year	Edible nut produced. Do not plant near gardens.
American Sycamore <i>Platanus occidentalis</i> L.	Zone 4b	Performs best on deep, fertile, well-drained, slightly acid soils	60' to 70', spread equal to height	Moderate to fast, 2' per year	Interesting scaly white bark. Sycamore pollen may be an allergen to some people.
Swamp White Oak <i>Quercus bicolor</i>	Zone 4b	Moist, well-drained soils that are slightly acid	40' rounded with age, spread equal to height	Moderate, about 1' or more a year	Exfoliating bark. Waxy green leaves. Appears hardy to region.
Bur Oak <i>Quercus macrocarpa</i> Michx	Zone 2b	Adaptable to a wide range of soils from moist to clay to sandy	60' rounded form with a spread equal the height	Moderate, usually between 1' and 2' a year	Native tree. Hardy. A few pest problems.
Northern Red Oak <i>Quercus rubra</i> L.	Zone 4b	Needs moist, well-drained soils that are slightly acid	40' oval form with a spread about 2/3 the height	Moderate, often 18" or more per year on good sites	Needs moist, well drained soil. Not planted often. Worth a try.
American Linden <i>Tilia americana</i> L.	Zone 3b	Moist, deep, well-drained soils	50' to 60' tall, pyramidal to ovate shape	Moderate, usually 12" to 18" per year	Sentry and Redmond varieties.

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Large Shade Trees continued					
Common Name and Scientific Name	Hardiness	Soils	Height	Growth Rate	Growth Rate
American Elm <i>Ulmus americana L.</i>	Zone 3b	Moist, well-drained soils, adaptable to moist to dry	70', vase-shaped, spread about 2/3 the height	Fast, slightly more than 2' per year	Use Dutch Elm resistant varieties: St. Croix, Valley Forge, Princeton Prairie Expedition.
Norway Maple <i>Acer platanoides L.</i>	Zone 4b	Well-drained, tolerates drier sites, adaptable to at least slightly alkaline soils	30' to 50', spread equal to height	Moderate, more than 1' per year	May produce nice fall color. Plant only in protected locations. May suffer winter dieback or death.
Hybrid Elms	Varies	Variable	40' to 60'	Fast	Varieties:  Accolade, Triumph, Cathedral, Cool Shade, Vanguard