



URBAN FORESTRY

TREE SPECIES RECOMMENDATION

This list is a guide of the most appropriate trees for planting in the public right of way (planting strip between the sidewalk and the street). The list should be used in conjunction with the amount of space—width of the right of way (ROW) available. While there is no perfect tree, there are appropriate tree choices for most situations. Each planting space should be evaluated and any limiting restriction factors such as soil quality, soil pH, drainage, sunlight exposure, utilities, rooting area (soil volume), and traffic lanes vs parked cars should be noted.

All of these species *should* do well in the urban environment of Lafayette but each tree has different tolerances. Small, columnar, and medium trees may be suitable for use in parking lot design. All tree selections must be approved by the City Forester and a permit must be obtained for planting trees in the public right of way.

Special note: Until further notice there is a moratorium on planting maples due to the threat of the Asian Longhorn Beetle arriving in Lafayette.

SMALL TREES 4' planting strips <u>under power lines</u>	Aerosol salt Tolerant	Soil salt Tolerant	Drought Tolerant
<i>Acer ginnala</i> – Amur Maple	Moderate	Moderate	High
<i>Acer grandidentatum</i> – Rocky Mtn. Glow Maple	Moderate	Moderate	High
<i>Acer tataricum</i> – Tatarian Maple	Moderate	Moderate	High
<i>Amelanchier spp.</i> – Serviceberry (Single trunk)	Moderate	Moderate	Moderate
<i>Crataegus crus-galli var. inermis</i> – Thornless Hawthorn	Low	Poor	High
<i>Crataegus phaenopyrum</i> – Washington Hawthorn	Moderate	Moderate	High
<i>Malus 'Adirondack'</i> – Adirondack Crabapple	Moderate	Moderate	Moderate
<i>Prunus sargentii 'JFS-KW58'</i> - Pink Flair Cherry	Moderate	Moderate	High
<i>Syringa pekinensis</i> – Chinese Tree Lilac	High	Moderate	Moderate
<i>Syringa reticulata</i> – Japanese Tree Lilac	High	Moderate	High



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SMALL TREES—with BROAD SPREADING CROWNS 5' and greater planting strips <u>under power lines</u>	Aerosol salt Tolerant	Soil salt Tolerant	Drought Tolerant
<i>Acer griseum</i> – Paperbark Maple	Moderate	Moderate	Moderate
<i>Acer truncatum</i> – Shangtung Maple	Moderate	Moderate	High
<i>Amelanchier species</i> – Serviceberry	Moderate	Moderate	Moderate
<i>Carpinus caroliniana</i> – American Hornbeam	None	Poor	Moderate
<i>Cornus kousa</i> – Kousa Dogwood	Moderate	Moderate	Moderate
<i>Maackia amurensis</i> – Amur Maackia	Moderate	Moderate	High
<i>Malus 'Royal Raindrops'</i> – Royal Raindrops Crabapple	Moderate	Moderate	Moderate
<i>Ostrya virginiana</i> – American Hophornbeam	Moderate	Moderate	Moderate
<i>Prunus sargentii</i> – Sargent's Cherry	Moderate	Moderate	High
<i>Prunus x yedoensis</i> – Yoshino Cherry	Low	Low	Moderate
<i>Prunus x incamp</i> – Okame Cherry	Moderate	Poor	Moderate
<i>Styrax japonica</i>	High	Moderate	High
<i>Zelkova serrata 'Wireless'</i>	Moderate	Unknown	High

COLUMNAR TREES 4' to 5' planting strips with <u>no power lines</u>	Aerosol salt Tolerant	Soil salt Tolerant	Drought Tolerant
<i>Carpinus betulus</i> - 'Frans Fontaine' Hornbeam	None	Moderate	Moderate
<i>Carpinus caroliniana</i> – 'Palisade' Hornbeam	None	Poor	Moderate
<i>Celtis occidentalis</i> – 'Prairie Sentinel' Hackberry	Moderate	Moderate	High
<i>Ginkgo biloba</i> - 'Princeton Sentry' Ginkgo	Moderate	Poor	High
<i>Liquidambar styraciflua</i> - 'Slender Silhouette' Sweetgum	Moderate	Moderate	Moderate
<i>Prunus sargentii</i> 'Columnaris' –Columnar Sargent Cherry	Moderate	Moderate	High
<i>Prunus sargentii</i> 'JFS-KW58' – Pink Flair Cherry	Moderate	Moderate	High
<i>Quercus robur x bicolor</i> 'Regal Prince' – Columnar English Oak	High	High	Moderate
<i>Quercus robur 'Fastigiata'</i> - Columnar English Oak	High	High	Moderate
<i>Zelkova serrata 'Musashino'</i> - Musashino Zelkova	Moderate	Unknown	Unknown



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MEDIUM TREES <u>5' wide planting strips with no power lines</u>	Aerosol salt Tolerant	Soil salt Tolerant	Drought Tolerant
<i>Acer campestre</i> 'Queen Elizabeth' – Hedge Maple	Moderate	Moderate	Moderate
<i>Acer miyabei</i> 'Morton' - State Street Maple	Moderate	Moderate	Moderate
<i>Betula nigra</i> – River Birch (standard form)	Low	Moderate	Moderate
<i>Koelreuteria paniculata</i> - Golden Raintree	Moderate	Moderate	High
<i>Nyssa sylvatica</i> – Black Tupelo or Blackgum	Moderate	Moderate	High
<i>Prunus virginiana</i> – Canada Red Chokecherry'	Moderate	Moderate	Moderate
<i>Robinia x ambigua</i> 'Purple Robe'	High	High	Medium
<i>Ulmus species</i> – Elm hybrids (DED resistant) (Bosque, Frontier, Patriot, Accolade, etc.)	Moderate	Moderate	Moderate

LARGE TREES <u>6' and wider planting strips with no power lines</u>	Aerosol salt Tolerant	Soil salt Tolerant	Drought Tolerant
<i>Acer x freemannii</i> – Freeman maple cultivars	Moderate	Moderate	Moderate
<i>Acer saccharum</i> – Sugar Maple	Low	Low	Moderate
<i>Aesculus hippocastanum</i> - Horse Chestnut	Moderate	Moderate	Moderate
<i>Aesculus glabra</i> - Ohio Buckeye	Low	Moderate	Moderate
<i>Betula nigra</i> – River Birch (clump form)	Low	Moderate	Moderate
<i>Carya cordiformis</i> – Bitternut Hickory	Moderate	Moderate	Moderate
<i>Carya glabra</i> – Pignut Hickory	Moderate	Moderate	High
<i>Carya laciniosa</i> – Shellbark Hickory	Moderate	Moderate	High
<i>Carya ovata</i> – Shagbark Hickory	Moderate	Moderate	High
<i>Carya tomentosa</i> – Mockernut Hickory	Moderate	Moderate	Moderate
<i>Celtis occidentalis</i> - Hackberry	Moderate	Moderate	High
<i>Cladrastis kentukea</i> - Yellowwood	Moderate	Moderate	Moderate
<i>Corylus colurna</i> - Turkish Filbert	Low	Low	High
<i>Ginkgo biloba</i> – Ginkgo (male only cultivars)	Moderate	Moderate	High
<i>Gymnocladus dioica</i> - Kentucky Coffeetree 'Espresso' (male only)	Moderate	Moderate	High
<i>Liquidambar styraciflua</i> 'Rotundiloba' (fruitless cultivar)	Moderate	Moderate	Moderate
<i>Liquidambar styraciflua</i> 'Hapidell' – Hapidaze Sweetgum (fruitless cultivar)	Moderate	Moderate	Moderate
<i>Liriodendron tulipifera</i> - Tulip Poplar	Moderate	Moderate	Moderate
<i>Quercus alba</i> – White Oak	Moderate	Moderate	Moderate



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LARGE TREES <u>6' and wider planting strips with no power lines</u>	Aerosol salt Tolerant	Soil salt Tolerant	Drought Tolerant
<i>Quercus bicolor</i> – Swamp White Oak	Moderate	Moderate	Moderate
<i>Quercus coccinea</i> – Scarlet Oak	Moderate	Moderate	Moderate
<i>Quercus ellipsoidalis</i> – Northern Pin Oak	High	High	High
<i>Quercus imbricaria</i> – Shingle Oak	High	High	High
<i>Quercus macrocarpa</i> – Bur Oak	High	High	High
<i>Quercus muehlenbergii</i> – Chinkapin Oak	Moderate	Moderate	High
<i>Quercus montana</i> – Chestnut Oak	Moderate	Moderate	High
<i>Quercus rubra</i> – Red Oak	High	High	High
<i>Quercus shumardii</i> – Shumard Oak	Moderate	High	High
<i>Platanus occidentalis</i> - Sycamore	Moderate	Moderate	High
<i>Platanus x acerifolia</i> 'Morton Thornhill' – Exclamation London Planetree	Moderate	Moderate	High
<i>Styphnolobium japonicum</i> – Japanese Pagoda Tree	Moderate	Moderate	High
<i>Tilia tomentosa</i> – Silver Linden	Moderate	Moderate	Moderate
<i>Ulmus species</i> – Elms hybrids (DED resistant) (Princeton, Patriot, Morton Accolade, Allee, Prospector, etc.)	Moderate	Moderate	Moderate
<i>Zelkova serrata</i> 'Green Vase' or 'Village Green' – Japanese Zelkova	Moderate	Unknown	High

LANDSCAPE TREES

These trees make excellent park trees and are suitable for other large areas but are not suitable for the public right of way due to urban intolerance i.e. salt, pollution, size, habit, messy acorns or fruit, disease prone, etc.

Acer nigrum – Black Maple

Acer palmatum – Japanese Maple

Cercis canadensis – Redbud

Cornus florida – Flowering Dogwood

Fagus grandifolia – American Beech

Fagus sylvatica – European Beech

Magnolia 'Elizabeth' – Elizabeth Magnolia (with reservations. Can be difficult to establish.)

Magnolia virginiana – Sweetbay Magnolia (plant in protected area. Marginally hardy for Indiana)

Magnolia stellata – Star Magnolia

Oxydendrum arboreum – Sorrel tree or Sourwood

Parrotia persica - Persian Parrotia

Taxodium distichum – Bald Cypress