

Parks and Recreation Department List of Approved Street Trees

Gardner, Kansas • 2009

SMALL: Less than 30 feet tall

Scientific Name	Common Name	Height	Width	Habit	Light Requirements	Soil Preference	Fall Color	Notes
<i>Acer ginnala</i>	Amur Maple	15-18'	15-18'	Rounded	Full sun to partial shade	Wide range of soil types and pH, prefers moist, well-drained soil	Yellow, orange, red	Excellent tolerance to dry and alkaline soils. Must be "limbed up" to provide appropriate clearance when planted close to walks and streets, and withstands heavy pruning.
<i>Acer truncatum</i>	Purpleblow, Shantung Maple	20-25'	15-20'	Rounded	Full sun to partial shade	Well-drained, evenly moist soils are best; pH tolerant	Yellow, orange, red	Heat and drought tolerant. Underused potential champion of urban conditions.
<i>Amelanchier arborea</i>	Downy Serviceberry	15-25'	10-30'	Rounded	Full sun to partial shade	Moist, well-drained, acid soil; expect to perform well in many types of soils	Yellow, apricot orange, rust red	Naturally occurs on woodland borders, stream banks and fencerows; also found on hillsides and mountain slopes. Fruits ripen in June and are favored by birds; also used in dessert-making, with a flavor that rivals the highbush blueberry. Native.
<i>Chionanthus retusus</i>	Chinese Fringetree	15-25'	15-25'	Spreading, rounded	Full sun to partial shade	Adaptable, prefers deep, moist, fertile, acid soils	Soft yellow	Each Fringetree seedling is highly variable in branching and form, so take care when siting this large shrub/small tree in the streetscape; choose plants accordingly. Flowers, fruits and foliage are highly ornamental. <i>Chionanthus retusus</i> is more effective in bloom than <i>virginicus</i> because the flowers appear at the ends of new shoots, rather than on last year's wood.
<i>Chionanthus virginicus</i>	Fringetree	12-20'	12-20'	Spreading, open. Wider than it is high	Full sun to partial shade	Adaptable, prefers deep, moist, fertile, acid soils	Yellow-green to yellow	Large shrub to small tree. The native Fringetree. See notes on <i>C. retusus</i> .
<i>Cornus drummondii</i>	Roughleaf Dogwood	15-25'	10-15'	Oval upright	Full sun to partial shade	Adaptable	Purple	Grows well in tree lawns as narrow as four feet. Native.
<i>Cornus florida</i>	Flowering Dogwood	20'	20'	Small, low branched, horizontal lines with a layered effect	Prefers partial shade	Acid, well-drained soil with sufficient organic matter	Consistent red to reddish-purple	Mulch to maintain a cool, moist soil. Can be planted in full sun, but trees planted in poorly drained soils and open areas where summer water is limited invariably decline and die. Minimize stressors such as heat, drought and cold to reduce insect and disease attacks to maintain beautiful trees.
<i>Malus sp.</i>	Crabapple	15-25'	Variable	Usually spreading	Full sun	Adaptable	Varies with sp.	Asiatic forms are generally more resistant to insects and diseases than are the native forms. Choose cultivars based on strength of resistance to known pests and diseases: Fireblight, Cedar Apple Rust, Apple Scab, Canker, Scale, Borers, Aphids and Japanese Beetles.
<i>Prunus serrulata 'Kwanzan'</i>	Kwanzan Cherry	15-25'	15-25'	Vase-shaped to rounded	Full sun to partial shade	Moist, fertile, well-drained loams	Orange-bronze	Profuse and showy, deep pink, spring bloom. Probably the most hardy against canker, virus and borers. Extremely uniform in habit.
<i>Prunus serrulata 'Snow Goose'</i>	Snow Goose Cherry	15-25'	15-25'	Vase-shaped to rounded	Full sun to partial shade	Moist, fertile, well-drained loams	Orange-bronze	White flowers before or with the bright green foliage. More pest resistant than species.
<i>Viburnum sieboldii</i>	Siebold Viburnum	15-20'	10-15'	Open habit with stiff, stout, rigid branches	Full sun to partial shade	Prefers moist, well-drained soils; pH Adaptable	Green	Note that the intended form is that of a single-stem small tree, limbed up to provide adequate clearance and site lines. Use as a specimen. Needs sufficient moisture as leaf scorch will develop under dry soil conditions. Flowers in late May; creamy white, 3-6" diameter.

Medium: 30 to 70 feet tall

Scientific Name	Common Name	Height	Width	Habit	Light Requirements	Soil Preference	Fall Color	Notes
<i>Acer buergeranum</i>	Trident Maple	25-35'	15-25'	Oval to rounded	Full sun	Acid, well-drained	Yellow & red	According to Michael Dirr, Pest free and a fine choice as a street tree and/or under utility wires. Streetwise® cultivar more upright in habit than typical and bark exfoliates at an early age
<i>Acer platanoides</i>	Norway Maple	40-50'	30-50'	Rounded	Full sun	Well-adapted to a wide range of soils	Yellow	Shallow roots limit the ability to grow turf above them.
<i>Acer rubrum</i>	Red Maple	40-60'	30-60'	Pyramidal in youth to rounded, oval or irregular in maturity	Full sun	Very tolerant of soils, prefers slightly acid, moist soil	Yellow-green, yellow, orange or red	Choose cultivars for color, drought tolerance and pest resistance
<i>Carpinus betulus</i>	European Hornbeam	40-60'	30-40'	Oval to rounded	Best in full sun, but tolerates light to moderate shade	Tolerates a wide range of soil weight and pH; prefers well-drained conditions	Yellow or yellowish-green	No serious disease or insect pests. Great for screens, hedges, in groupings, around large buildings, in planter boxes. Many fine cultivars to choose from for landscape applications.
<i>Cercis canadensis</i>	Eastern Redbud	20-30'	25-35'	Spreading, flat-topped to rounded	Full sun to partial shade	Adaptable to any soil except permanently wet ones	Yellow-green	A beautiful tree that can suffer when introduced to excessive stress such as lack of water, excessive moisture, mechanical injury, etc. A tree weakened by stress is more susceptible to canker and Verticillium. Choose cultivars for appropriate landscape application. Native.
<i>Cotinus obovatus</i>	American Smoketree	20-30'	Variable	Oval-rounded	Full sun	Adaptable to wide range of soils and pH	Yellow, orange, red, reddish-purple	Dirr recommends this native for urban and street tree applications. No two trees fall color the same, and many times you will find all colors on one tree. Good for dry sites and harbors no serious diseases or pest problems.
<i>Koelreuteria paniculata</i>	Goldenrain tree	30-40'	30-40'	Rounded and dense	Full sun	Adaptable to wide range of soils	Orange-yellow, but inconsistent	Withstands drought, heat, wind and alkaline soils, tolerates air pollutants. Prune during winter. Flowers in July are 1/2" yellow, borne in a 12-15" long and wide loose panicle; very showy.
<i>Magnolia x 'Galaxy'</i>	Galaxy Magnolia	30-40'	22-25'	Upright, pyramidal	Full sun	Adaptable	Yellow	Red-purple, profuse, slightly fragrant blooms up to 8-10 inches when fully open. Prune to remove suckers and maintain upright shape. Adaptable to wide range of soil and cultural conditions, including sod culture.
<i>Ostrya virginiana</i>	American Hophornbeam, Ironwood	25-40'	20-30'	Rounded	Full sun to partial shade	Cool, moist, well-drained, slightly acid soils	Yellow	Native. Often found in the wild growing in dry, gravelly or rocky soil. Drought tolerant. The species has performed well in city plantings and very narrow tree lawns.
<i>Picea omorika</i>	Serbian Spruce	50-60'	20-25'	Pyramidal	Full sun	Prosper in high pH soils	Green	Dirr notes Serbian Spruce would make an excellent evergreen street tree. Natural form branches low to the ground, so prune up to afford minimum clearance around streets, walks and trails.
<i>Prunus sargentii</i>	Sargent Cherry	20-30'	20-30'	Upright spreading to rounded	Full sun to partial shade	Average, medium moisture, well-drained soils	Red	Most noted for its profuse spring bloom, attractive summer foliage, fall color and shiny reddish-brown bark. Pink flowers appear before the foliage in spring. Flowers are followed by small, glossy dark purple-black cherries which ripen in early summer. Fruits are bitter and inedible fresh off the tree.
<i>Quercus imbricaria</i>	Shingle Oak	50-60'	50-60'	Pyramidal to upright-oval in youth, broad-rounded outline in maturity	Full sun	Prefers moist, rich, deep, well-drained acid soil	Yellow-brown to russet-red	Is tolerant of drier soils and somewhat tolerant of city conditions. Transplants with less difficulty than most oaks. Accepts pruning very well. Leaves persist through the winter providing additional screening and wind-break. Native.
<i>Quercus phellos</i>	Willow Oak	40-60'	30-40'	Pyramidal in youth, oblong-oval to rounded in maturity	Full sun	Prefers moist and well-drained soil but can adapt to virtually impossible habitats	Yellow, bronze-orange, yellow-brown and russet	Has a fine, willow-like leaf texture and makes a splendid street tree, also excellent for large area use, i.e., commercial establishments, golf courses and parks. Transplants more readily than other Oaks due to more fibrous root system, though still should be

Medium: 30 to 70 feet tall (Continued)

Scientific Name	Common Name	Height	Width	Habit	Light Requirements	Soil Preference	Fall Color	Notes
<i>Stewartia pseudocamellia</i>	Japanese Stewartia	20-40'	20-40'	Pyramidal-oval in youth, open and rounded in maturity	Full sun to partial shade	Prefer moist, well drained slightly acid soils	Yellow, red, dark reddish-purple	Supply may be limiting factor in planting this magnificent small to medium-sized tree, but has been found in production in the Midwest. Exfoliating bark is of exceptional winter interest. 2-3" white flowers open in July.
<i>Syringa reticulata</i>	Japanese Tree Lilac	20-30'	15-25'	Oval to rounded	Full sun for best flowering	Loose, well-drained and slightly acid, though pH adaptable	Green	White flowers are borne in May and June in panicles 6 to 12 inches long and 6 to 10 inches wide. This species is highly resistant to mildew, scale and borers; most adaptable lilac for difficult sites. Cultivars 'Ivory Silk', 'Regent', and 'Summer Snow'; should be used instead of the species because of superior flower production, more uniform habit and superior foliage.
<i>Ulmus parvifolia</i> Allee® ('Emer II')	Allee Lacebark Elm	40-70'	40-50'	Upright spreading	Full sun	Adaptable to extremes of pH and soil	Yellowish- and reddish-purple	The bark exfoliates in a puzzle-like pattern exposing light gray, slate gray, gray-green and orangey brown colors. Habit resembles the traditional American Elm. Highly resistant to Dutch elm disease and the elm leaf beetle. Shows excellent urban soil tolerance.

Large: 70 or more feet tall

Scientific Name	Common Name	Height	Width	Habit	Light Requirements	Soil Preference	Fall Color	Notes
<i>Acer saccharum</i>	Sugar Maple	60-75'	40-50'	Upright oval to rounded	Full sun to partial shade	Well-drained, evenly moist soils are best; pH tolerant	Yellow, orange, red	Susceptible to salt and doesn't fair well in tight, compacted situations such as planter boxes, small tree lawns or other restricted growing areas. However, is one of the best of the larger shade trees and works as a street tree where tree lawns are not confined.
<i>Ginkgo biloba</i>	Maidenhair Tree	50-80'	30-40'	Pyramidal in youth, spreading in maturity	Full sun	pH adaptable, grows in almost any situation	Yellow	Excellent city tree, extremely free of pests, transplants easily and establishes without difficulty; salt tolerant. Only male trees should be planted as the fruit produced by female trees is extremely messy and malodorous. Young trees may take 20 years before flowering.
<i>Quercus rubra</i>	Red Oak	60-75'	60-75'	Rounded in youth, round-topped and symmetrical in maturity	Full sun	Prefers sandy loam soils which are well drained and on the acid side	Russet-red to bright red	Transplants easier than other Oaks because of negligible taproot. Good performer, fast growing, valuable Oak. Will develop choruses in high pH soils. Is commonly used as a street tree in the Midwest. Native.
<i>Sophia japonica</i>	Japanese Pagodatree, Scholar Tree	50-75'	50-75'	Upright, spreading with a rounded crown at maturity	Full sun	Adaptable to most well-drained soils	Soft yellow on occasion	Quite adaptable and tolerant of urban conditions including pollution. Creamy white flowers in July/August. Fruit in the form of a pod, bright green to yellow to brown; in October; may persist through winter.
<i>Taxodium ascendens</i>	Pondcypress	70-80'	15-20'	Narrowly conical or columnar with spreading branches	Full sun	Prefers moist, acid soils; performs well on upland soils	Fox red	Narrower alternative to the Bald Cypress, T. ascendens doesn't knee or gall like T. distichum. Extremely wind firm. Grows in wet and dry places.
<i>Tilia cordata</i>	Littleleaf Linden	60-70'	30-50'	Pyramidal in youth, upright oval to pyramidal-rounded in maturity	Full sun	Prefers moist, well-drained fertile soil; pH adaptable; found on limestone in the wild	Yellow-green to soft yellow	Excellent shade tree for lawn, large areas, streets, planters, malls and about any place a real quality tree is desired.

Sources: Dirr, Michael A.: Manual of Woody Landscape Plants; Dirr, Michael A.: Dirr's Hardy Trees and Shrubs; US National Arboretum: http://www.usna.usda.gov/search_USNA.html; USDA Plants Database: <http://plants.usda.gov/index.html>; Missouri Botanical Gardens: www.mobot.org; KSU Forestry Extension: Street Trees for Kansas.

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