

Small to medium deciduous street trees (patio or small spaces; some under utility lines):

Botanical Name Common Name	Native	Mature Height/Spread	Light Requirements	Comments
<i>Acer buergerianum</i> Trident Maple	N	25-35'/20-30'	Sun	Good urban street tree, tolerant of drought, air pollution, and soil compaction; attractive foliage, form, fall color, and exfoliating bark
<i>Acer campestre</i> Hedge maple	N	25-35'/30-35'	Sun/light shade	Extremely adaptable; tolerates drought and soil compaction, air pollution and severe pruning; small lawn specimen or residential street tree
<i>Acer ginnala</i> Amur Maple	N	15-20'/15-20	Sun/part-shade	Adaptable to a wide range of soils, easy to transplant, tends toward multi-stem; not recommended for street tree; good in planters
<i>Acer leucoderme</i> Chalkbark maple	Y	25-30'/20-30'	Sun, light shade	Adaptable; tolerates dry conditions; commercial availability may be problem; great whitish bark
<i>Amelanchier arborea</i> Serviceberry, Sarvis	Y	15-25'/10-15'	Sun/part-shade	Blooms in early spring before dogwoods with white flowers; good under power lines, can be multi-trunked; use with care in urban sites, not drought or urban tolerant
<i>Carpinus caroliniana</i> American Hornbeam, musclemwood	Y	20-30'/20-30'	Sun/shade	Good street tree for residential sites; great for naturalizing along woodland edges, in buffer areas or along streams; not drought or compaction tolerant
<i>Cercis canadensis</i> Eastern Redbud	Y	20-30'/25-35'	Sun/part-shade	Beautiful pink/magenta/white flowers in spring; best for use in woodland/naturalized settings, use in buffer areas as understory or street tree under power lines
<i>Cotinus obovatus</i> American Smoketree	Y	20-30'/20-30'	Sun	Good small tree for street and urban plantings, tolerates dry soil conditions, magnificent fall foliage ranges from yellow/orange to red/reddish purple, attractive bark in winter
<i>Chionanthus virginicus</i> White Fringetree	Y	15-20'/12-15'	Sun/part-shade	Beautiful white fragrant flowers in spring, dark blue fruit in fall; great understory tree in woodland or buffer areas, or under power lines; moderate drought tolerance
<i>Chionanthus retusus</i> Chinese fringetree	N	15-25'/15-25'	Sun/light shade	Excellent floral display and great fruit, only on females; heat tolerant and adaptable
<i>Cornus alternifolia</i> Pagoda Dogwood	Y	15-25'/10-20'	Sun/part-shade	Fibrous spreading roots, best for naturalizing in woodland or buffer areas; spreading habit with horizontal branches creates a layered look
<i>Cornus florida</i> Flowering Dogwood	Y	20-30'/20-30'	Sun/part-shade	Good for naturalizing; needs good air circulation, not pollution or drought tolerant; not recommended for street tree planting
<i>Cornus kousa</i> Kousa Dogwood	N	20-30'/20-30'	Sun/part-shade	Creamy white flowers more prolific in sun, exfoliating bark, more disease resistant than <i>Cornus florida</i> ; moderately drought tolerant; best in open areas to allow for broad spread
<i>Crataegus crusgalli</i> var. <i>inermis</i> Thornless cockspur hawthorn	Y	20-30'/20-35'	Sun	Adaptable, prefers well-drained soil; moderately urban tolerant; use only thornless variety for street trees; great for screens and hedges
<i>Crataegus phaenopyrum</i> Washington Hawthorn	Y	25-30'/20-25'	Sun	Creamy white flowers in May; attractive in winter with persistent red fruit, good street tree; susceptible to rusts; don't plant adjacent to junipers or quince
<i>Crataegus viridis</i> 'Winter King' Winter green green hawthorn	Y	20-35'/20-35'	Sun	Vase-shaped, rounded habit; persistent, large red fruits, very nice
<i>Hamamelis virginiana</i> Witchhazel	Y	20-30'/20-25'	Sun/shade	Great for naturalizing in woodland or buffer areas; prefers moist, well-drained soils
<i>Koeleruteria paniculata</i> Goldenrain Tree	N	30-40'/30-40'	Sun	Withstands drought, heat, wind and pollution; good urban street tree, though maybe weak wooded; great yellow flowers in late spring; reseeds easily; ungainly in youth
<i>Malus</i> Flowering Crabapple	N	Varies based on cultivar	Sun	Beautiful spring flowering tree, many colors; disease resistant varieties include: 'Adams', 'Adirondack', 'Harvest Gold', 'Prairifire', 'Professor Sprenger', and Sugar Tyme™
<i>Lagerstroemia indica</i> Crape myrtle	N	Varies based on cultivar	Sun	Adaptable species; prefers hot conditions; many cultivars suited to various sites
<i>Ostrya virginiana</i> American Hophornbeam	Y	25-40'/20-40'	Sun/part-shade	Useful naturalizing or as a street tree; prefers moist, well-drained soil; slow to establish
<i>Parrotia persica</i> Persian Parrotia	N	20-40'/15-30'	Sun/light shade	Excellent small tree with exfoliating bark and crimson flowers in early spring; tolerant of drought, heat, wind and cold; use as street tree, under power lines or as an accent plant
<i>Pistacia chinensis</i> Chinese pistache	N	30-35'/25-35'	Sun	Tolerates a wide range of sites and soil conditions; tough urban tree, very drought resistant; prune to get uniform crown; use a street tree, open areas and so forth
<i>Prunus sargentii</i> Sargent Cherry	N	20-30'/20-30'	Sun	Pink flowers in April/May, rich brown bark and great fall color, good street tree under power lines; 'Columnaris' is 20-35'/10-15' upright form
<i>Prunus serrulata</i> 'Kwanzan' Flowering cherry	N	30-40'/30-40'	Sun	Prefers moist, well-drained soils; not particularly urabn or drought tolerant; great street for wide lawns
<i>Viburnum prunifolium</i> Blackhaw Viburnum	Y	15-20'/8-12'	Sun/shade	Adaptable to many soil types; drought tolerant; white flowers in May, good fall color; ok street tree may tend to sucker, also use in massing or naturalizing



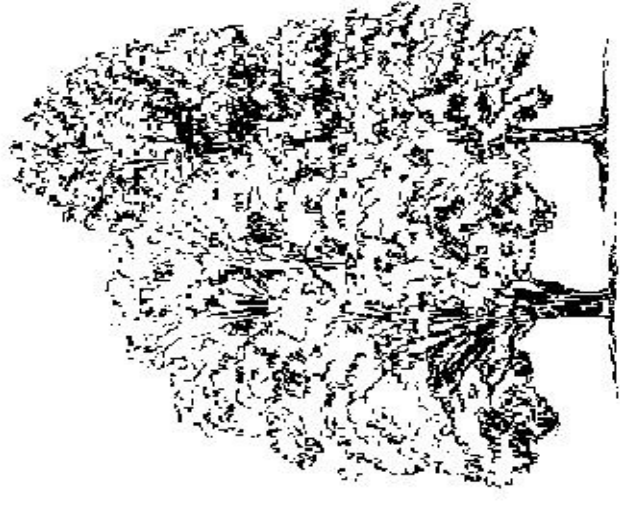
Large deciduous street or open space trees:

<i>Botanical Name</i> Common Name	Native	Mature Height/Spread	Light Requirements	Comments
<i>Acer x freemanii</i> Autumn Blaze® Autumn Blaze Freeman maple	Y (CN)	40-50'/20-40'	Sun/light shade	Excellent red fall color; adaptable to urban sites;
<i>Acer rubrum</i> Red Maple	Y	40-60'/varies	Sun/shade	Fall leaf color varies, 'October Glory' and 'Red Sunset' cultivars provide good orange/red fall color; not drought or soil compaction tolerant
<i>Aesculus flava</i> Yellow Buckeye	Y	60-75'/30-50'	Sun	Spectacular native trouble free tree; great pumpkin fall color; use in large areas, not as street tree; prefers moist, well-drained soil
<i>Betula nigra</i> River Birch	Y	40-70'/40-60'	Sun/part-shade	Good for areas that flood periodically; heat, but not drought tolerant; best in large areas and limited use as a street tree
<i>Carpinus betulus</i> European Hornbeam	N	40-60'/30-50'	Sun/part-shade	Can prune as a hedge or screen; use in grouping around buildings or in planter boxes; not drought tolerant; 'Fastigiata' good columnar form
<i>Celtis occidentalis</i> Common Hackberry	Y	40-60'/40-60'	Sun	Nice native tree, withstands adverse city conditions, yellow green fall foliage, fall fruit is a favorite for birds
<i>Cercidiphyllum japonicum</i> Katsuratree	N	40-60'/40-60'	Sun	Elegant tree, good street tree with sufficient space and moisture; best in large spaces; requires supplemental watering during drought
<i>Cladrastis kentukea</i> American Yellowwood	Y	30-50'/40-55'	Sun	Spectacular cascading white flowers in spring; use as specimen or in groupings; may develop weak crotches and readily splits; great for smaller properties
<i>Fagus grandifolia</i> American Beech	Y	50-70'/40-60'	Sun/shade	Beautiful native tree for large areas and natural settings; will not tolerate heavy pruning, wet soil or heavily compacted sites
<i>Fraxinus americana</i> White Ash	Y	50-80'/50-70'	Sun	Shade or street tree with good fall color ranging from reddish purple to yellow; tolerant of wide variety of conditions; susceptible to emerald ash borer
<i>Fraxinus pennsylvanica</i> Green Ash	Y	50-60'/varies	Sun	Withstands city conditions; good street tree and for large areas; beautiful yellow fall color, some cultivars with purple fall color; susceptible to emerald ash borer
<i>Ginkgo biloba</i> Ginkgo, Maidenhair	N	50-80'/varies	Sun	Ancient tree with unique fan-shaped leaf, beautiful shade tree; use male trees only as female fruit produces offensive odor; good urban tree; slow grower
<i>Gladiolus triacanthos</i> var. <i>inermis</i> Thornless Honeylocust	Y	30-70'/30-70'	Sun	Very adaptable; good salt and urban tolerance; does not perform well in heat and high humidity of south; select fruitless varieties for landscape use
<i>Gymnocladus dioica</i> Kentucky coffeetree	Y	60-75'/40-50'	Sun	Adaptable to wide range of soils, drought tolerant; "ugly duckling" in youth, but becoming picturesque; good for open areas and large tree lawns; females produce large fruits, that may be considered messy by some
<i>Larix kaempferi</i> Japanese Larch	N	70-90'/25-40'	Sun	Deciduous conifer with elegant spring growth; prefers moist, well-drained soils, not drought tolerant; best ornamental larch for large areas; cultivars available
<i>Liquidambar styraciflua</i> Sweetgum	Y	60-75'/40-50'	Sun/part-shade	Excellent fall color, good for planting in moist areas along streams; fruit may be a nuisance; use for streets and large areas, avoid polluted or confined sites
<i>Liriodendron tulipifera</i> Tulip Poplar, Yellow Poplar	Y	70-90'/35-50'	Sun	Large, stately tree; susceptible to drought but otherwise adaptable; beautiful yellow fall color, good for street trees and open areas
<i>Magnolia acuminata</i> Cucumber tree magnolia	Y	50-80'/50-80'	Sun/part-shade	May be hard to transplant; good for large open areas; not drought or pollution tolerant; prefers moist, well-drained, loamy soils
<i>Metasequoia glyptostroboides</i> Dawn Redwood	N	70-100'/25-30'	Sun	Deciduous conifer; distinctive pyramidal habit; easy to transplant; use for screening, streets, also excellent for groves along lakes and streams
<i>Nyssa sylvatica</i> Black Tupelo	Y	30-50'/20-30'	Sun/part-shade	Difficult to transplant; bright red, early fall color; street tree in residential areas or shade tree in large open areas; prefers moist soil, protect from winds



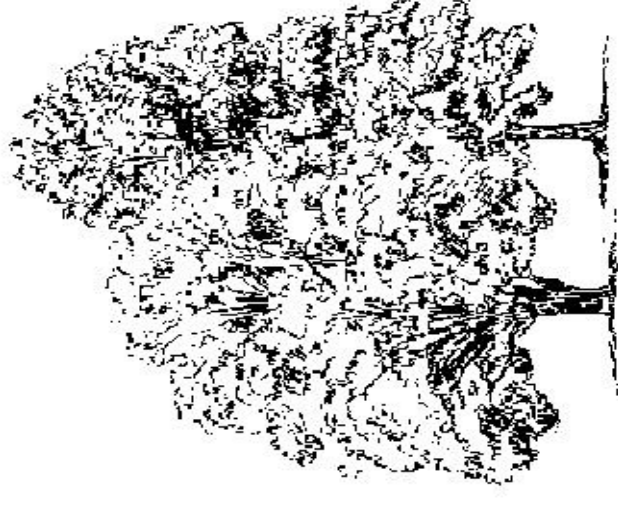
Large deciduous street or open space trees (continued):

Botanical Name Common Name	Native	Mature Height/Spread	Light Requirements	Comments
<i>Platanus x acerifolia</i> London Planetree	N	70-100'/65-80'	Sun/light-shade	Withstands severe city conditions; good for use as street tree; easily transplanted; susceptible to cankerstain; often overplanted
<i>Platanus occidentalis</i> American Sycamore	Y	75-100'/75-100'	Sun/part-shade	Use for naturalized settings along streams; very large tree, needs lots of space; good downtown street tree; susceptible to anthracnose
<i>Prunus subhirtella</i> Higan Cherry	N	20-40'/15-20'	Sun	Long lived; cold, heat and stress tolerant; 'Pendula' is a weeping variety
<i>Prunus x yedoensis</i> Yoshino Cherry	N	20-30'/20-30'	Sun	Soft pinkish white flowers in early spring make spectacular display; fast growing; fairly adaptable, but like other cherries, not necessarily drought tolerant
<i>Quercus acutissima</i> Sawtooth oak	N	40-60'/40-60'	Sun	Prefers well-drained soil; transplants readily and grows quickly; highly adaptable, does well in heat of south; great for street tree or large park tree
<i>Quercus alba</i> White Oak	Y	50-80'/50-80'	Sun/part-shade	Majestic large shade tree; slow growing but long lived; difficult to transplant; sensitive to root disturbance when grading and soil compaction
<i>Quercus bicolor</i> Swamp White Oak	Y	50-60'/50-60'	Sun	Good for planting in low lying areas; easier to transplant than white oak; requires acid soil; tolerates wet sites and fairly urban tolerant
<i>Quercus coccinea</i> Scarlet Oak	Y	70-75'/40-50'	Sun	Long lasting bright red and scarlet leaves in fall; good for dry, sandy soils; good for street plantings and large areas
<i>Quercus palustris</i> Pin Oak	Y	60-70'/25-40'	Sun/part-shade	One of the easiest oaks to grow and transplant; good for street plantings if lower limbs are removed; prefers moist, well-drained acidic soil
<i>Quercus phellos</i> Willow Oak	Y	40-60'/30-40'	Sun	Extremely tolerant of heat and stress; excellent street tree; easily transplanted; requires maintenance to keep crown open and free of dead limbs; great urban tree
<i>Quercus rubra</i> Red Oak	Y	60-75'/60-75'	Sun/part-shade	Excellent shade tree and effective as a street tree; easy to transplant; rapid grower; prefers moist, sandy-loam, acidic soils
<i>Sophora japonica</i> Japanese Pagoda Tree	N	50-70'/50-70'	Sun	Good tree for city conditions; creamy flower panicles in summer, very showy but can be messy; very pollution tolerant
<i>Taxodium distichum</i> Baldcypress	Y	50-70'/20-30'	Sun	Deciduous conifer with tall airy, columnar habit; can withstand swampy conditions, but tolerant of upland drier sites; good street tree with ample root area
<i>Tilia americana</i> Basswood, American Linden	Y	60-80'/20-40'	Sun	Fragrant yellow flowers in June; good for naturalizing or as street tree; slow grower
<i>Tilia cordata</i> Littleleaf Linden	N	60-70'/30-45'	Sun	This is one of the best city street or parking lot trees, yellowish fragrant flowers appear in June
<i>Tilia tomentosa</i> Silver Linden	N	50-70'/25-45'	Sun	Tolerant of heat and drought, good street tree for residential areas, yellowish white fragrant flowers, in summer but later than other lindens
<i>Ulmus americana</i> American Elm	Y	50-80'/30-50'	Sun/part-shade	Tough and durable, good for streets and parking lots, new varieties resistant to Dutch elm disease include 'Valley Forge', 'Princeton' and 'New Harmony'
<i>Ulmus parvifolia</i> Lacebark elm	N	40-50'/40-50'	Sun/part shade	Good for difficult urban sites; makes best growth in moist, well-drained, fertile soils; great as a street tree or for open areas
<i>Zelkova serrata</i> Japanese Zelkova	N	50-80'/50-80'	Sun/part-shade	Good shade tree for streets and parking lots, heat and drought tolerant, exfoliating bark



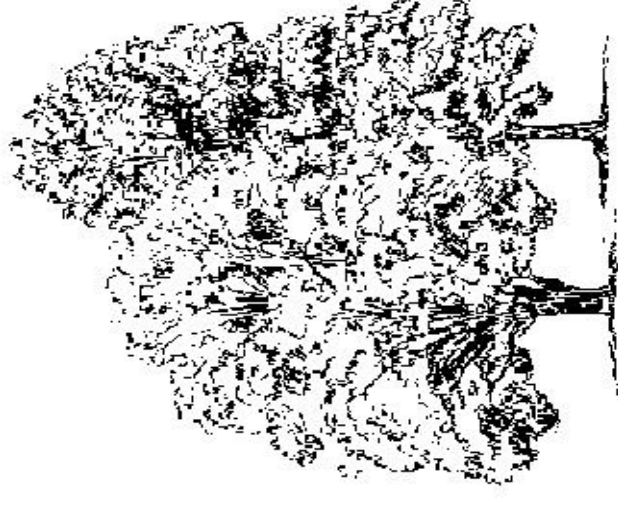
Evergreens for open spaces, specimens or massing:

<i>Botanical Name</i> Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Abies concolor</i> White Fir	Y	30-50'	15-20'	Sun	Withstands heat, drought and cold; well adapted for general landscape use
<i>Cedrus atlantica</i> Atlas Cedar	N	40-60'	30-40'	Sun	Magnificent evergreen, frosty blue needles; drought tolerant, use as specimen tree
<i>Cedrus deodara</i> Deodar Cedar	N	40-70'	30-50'	Sun	Fluffy dense habit, silvery foliage; adaptable to dry conditions; fast grower; use in large areas as a specimen
<i>Cedrus libani</i> Cedar of Lebanon	N	40-60'	40-60'	Sun	Stately tree with thick massive trunk, dark green foliage; use as a specimen in large areas
<i>Chamaecyparis pisifera</i> Falsecypress	N	10-40'	10-20'	Sun	Species is large tree but most cultivars are smaller; use as accent or specimen plant, can also use as screen
<i>Cryptomeria japonica</i> Japanese Cryptomeria	N	50-60'	20-30'	Sun/part-shade	Graceful and stately, useful alternative to leyland cypress for hedges and screening; protect from harsh winds
<i>Cupressus arizonica</i> Arizona cypress	Y	40-50'	25-30'	Sun	Prefers hot, dry conditions with well-drained soil; great specimen, screen or windbreak plant; intense blue foliage, so don't use too many together
<i>Ilex opaca</i> American Holly	Y	40-50'	20-40'	Sun/part-shade	Slow growing, plant male and female for berries, protect from winter sun and desiccating winds
<i>Ilex</i> x 'Nellie R. Stevens' Nellie Stevens Holly	N	15-25'	10-15'	Sun/part-shade	Excellent as specimen, for borders and foundation plantings, fast grower, good screen background, vigorous and drought resistant, self pollinating, red berries
<i>Ilex</i> x <i>attenuata</i> 'Fosteri' Foster Holly	N	20-30'	5-10'	Sun/part-shade	Excellent as specimen or hedge, especially in narrow spaces, tolerates city conditions, red berries in fall and winter, good in containers, self pollinating
<i>Magnolia grandiflora</i> Southern magnolia	Y	60-80'	30-50'	Sun/part-shade	Prefers moist, well-drained soil; tolerates wet soils; protect from wind; surface roots very competitive to other plants; use in open areas, as screen or in mass
<i>Osmanthus americanus</i> Devilwood	Y	15-20'	10-15'	Sun/part-shade	Glossy green foliage, low maintenance shrub for urban areas, useful as hedge or screen, dark purple fruit in fall, fragrant spring flowers
<i>Picea abies</i> Norway Spruce	N	40-60'	25-30'	Sun/part-shade	Rapid growth when young; prefers moist, sandy, well-drained soils; plant in light shade in south; use for screening or park areas
<i>Picea orientalis</i> Oriental Spruce	N	50-60'	10-15'	Sun/part-shade	Dense compact narrow habit; tolerant of infertile soils, protect from winds; makes a great specimen conifer; slow grower
<i>Picea pungens</i> Colorado Blue Spruce	N	30-60'	10-20'	Sun	Best as specimen; cultivars can have intense blue foliage, tolerant of dry conditions
<i>Pinus bungeana</i> Lacebark Pine	N	30-50'	20-35'	Sun	Rich green foliage, exfoliating bark; slow grower; often multi-stemmed; plant in open area with moist, well-drained soil; easily transplanted
<i>Pinus densiflora</i> Japanese Red Pine	N	40-60'	40-60'	Sun	Picturesque interesting form, use as specimen; decorative orange exfoliating bark; prefers well-drained, moist soil
<i>Pinus flexilis</i> Limber pine	Y	30-50'	15-35'	Sun/part-shade	Prefers moist, well-drained soils; very adaptable to a variety of sites; use as specimen, hedges or in mass
<i>Pinus strobus</i> White Pine	Y	50-80'	20-40'	Sun	Good temporary screen when young; prefers moist, well-drained soils; tolerates dry or wet soil and high humidity; not pollution, salt or wind tolerant
<i>Taxus baccata</i> English Yew	N	30-60'	15-25'	Sun/shade	Cultivated in England for centuries, with many cultivars available smaller than species, adapts well to varied conditions, easily pruned
<i>Pinus taeda</i> Loblolly pine	Y	40-60'	40-60'	Sun	Does well in moist, even wet soils; adaptable to a variety of sites; good as specimen in large area or as screen
<i>Tsuga canadensis</i> Canadian Hemlock	Y	40-70'	25-35'	Sun/shade	Protect from desiccating winds, not very tolerant of urban conditions, best used for screening and buffers
<i>Tsuga caroliniana</i> Carolina Hemlock	Y	45-60'	20-25'	Sun/shade	More tolerant of urban conditions than <i>Tsuga canadensis</i> , not tolerant of drought, protect from winds



Deciduous shrubs for massing, shrub borders or foundation plantings:

Botanical Name Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Aesculus parviflora</i> Bottlebrush buckeye	Y	8-12'	8-15'	Sun/part-shade	Suckering shrub, great for naturalizing or massing; prefers moist, well-drained soils, but highly adaptable; proliferates in shady spots
<i>Aronia spp.</i> Chokeberry	Y	6-10'	3-5'	Sun/part-shade	<i>A. arbutifolia</i> , red chokeberry and <i>A. melanocarpa</i> , black chokecherry offer great white flowers in spring and great fruit in fall; adaptable, even wet areas; use in massing
<i>Berberis thunbergii</i> Japanese Barberry	N	2-4'	2-3'	Sun	Great for hedges and barriers, withstands dry conditions, yellow flowers and red berries, many cultivars available
<i>Berberis x mentorensis</i> Mentor Barberry	N	5-7'	5-7'	Sun/part-shade	Excellent hedge or barrier due to thorny stems, yellow flowers in spring, but usually does not produce fruit
<i>Buddleia davidii</i> Butterfly-bush	N	6-10'	5-10'	Sun	Beautiful summer flowering shrub in a variety of colors; tolerates heat and drought, once established; attracts butterflies and bees; new cultivars of compact habit available
<i>Callicarpa americana</i> American Beautyberry	Y	4-6'	4-6'	Sun/part-shade	Good background plant for perennials or for naturalizing; striking in groups under trees, showy purple fruit, developing best in full sun; prefers moist soil
<i>Callicarpa dichotoma</i> Purple Beautyberry	N	3-4'	4-5'	Sun	Graceful and refined; prolific fruiter in late September, purple and white forms available; best used in mass
<i>Calycanthus floridus</i> Carolina Allspice, Sweetshrub	Y	6-10'	6-10'	Shade/sun	Dark red fragrant flowers in spring; nice for naturalizing or as a specimen; prefers moist, well-drained soil; white and yellow flowering forms available
<i>Caryopteris x clandonensis</i> Blue-Mist Shrub	N	2-3'	2-3'	Sun	Perennial shrub that should be cut back to ground each year; soft blue flowers in late summer
<i>Cephalanthus occidentalis</i> Buttonbush	Y	3-6' (15')	5-10'	Sun/light shade	Requires moist conditions; great for naturalizing; unique flower and fruit
<i>Chimonanthus praecox</i> Wintersweet	N	10-15'	10-12'	Sun/part-shade	Fragrant, yellow flowers in winter; lustrous green foliage; use in shrub border or as specimen
<i>Clethra alnifolia</i> Summersweet Clethra	Y	5-8'	5-6'	Sun/shade	Fragrant white or pinkish flower in summer; very adaptable, excellent in wet sites; good for naturalizing; numerous cultivars of various mature sizes
<i>Cotinus coggygria</i> Smokebush	N	10-15'	10-15'	Sun	Showy in late spring when smoke like panicles are at peak; purple leaved cultivars available; use in border or groupings; <i>Verticillium</i> wilt may be a problem; adaptable
<i>Cytisus scoparius</i> Scotch broom	N	5-6'	5-10'	Sun/part-shade	Wide array of colors, good for massing and bank stabilization; adaptable, performing well on dry, poor soils
<i>Deutzia gracilis</i> Slender Deutzia	N	2-4'	3-4'	Sun	Low, graceful shrub with pure white flowers in May; use in borders and for mass plantings; highly adaptable; renewal pruning keep plant tidy
<i>Euonymus alatus</i> Burning Bush	N	10-15'	10-15'	Sun/part-shade	Useful in many situations for parking lot screening, foundations, and buffers; beautiful scarlet fall foliage, dwarf varieties available; overused and may be invasive
<i>Euonymus americanus</i> Strawberry Bush	N	7-8'	6-7'	Shade	Interesting dark red fruit in fall; useful for massing and naturalizing
<i>Forsythia x intermedia</i> Forsythia	N	8-10'	7-10'	Sun	Spectacular yellow flowers are harbinger of spring; very hardy and adaptable; useful in buffers and parking lots
<i>Fothergilla gardenii</i> Dwarf Fothergilla	Y	2-3'	2-3'	Sun/part-shade	Fragrant white, bottlebrush like flowers appear in mid spring; beautiful fluorescent yellow, orange and red fall foliage; prefers moist, well-drained soils with low pH
<i>Fothergilla major</i> Large Fothergilla	Y	6-10'	6-10'	Sun/part-shade	White fragrant flowers in spring, fluorescent yellow-orange foliage in fall; use for buffers, foundation plantings and in mass; prefers well-drained, moist soil with low pH
<i>Hydrangea arborescens</i> Smooth Hydrangea	Y	3-5'	3-5'	Sun/part-shade	Mounded habit; creamy white flowers in early summer; yellow foliage in fall; used in mixed shrub border; not particularly drought tolerant, shade best in south
<i>Hydrangea macrophylla</i> Bigleaf Hydrangea	N	3-6'	4-6'	Sun/part-shade	Plant in mass, shrub borders or as accent; shade best in south, not drought tolerant, tolerates salt spray; cultivars offer color options and variations in flower form
<i>Hydrangea paniculata</i> Panicle Hydrangea	N	10-20'	6-10'	Sun/part-shade	Showy white flowers in summer; tolerant of dry city conditions; can be pruned to form a small tree; most adaptable and urban tolerant hydrangea; not drought tolerant, though
<i>Hydrangea quercifolia</i> Oakleaf Hydrangea	Y	4-6'	4-6'	Sun/part-shade	Magnificent white flowers in June; exfoliating bark; use along shrub border or in mass; coarse texture so may need to use as background plant; not drought tolerant
<i>Ilex decidua</i> Possumhaw holly	Y	7-15'	7-12'	Sun/part-shade	Adaptable; fruits orange to scarlet; need both males and females for fruit set; <i>Ilex opaca</i> serves as pollinator
<i>Ilex verticillata</i> Winterberry Holly	Y	6-12'	6-10'	Sun/part-shade	A deciduous holly with bright red fruit that persists throughout the winter, male and female required for fruit set



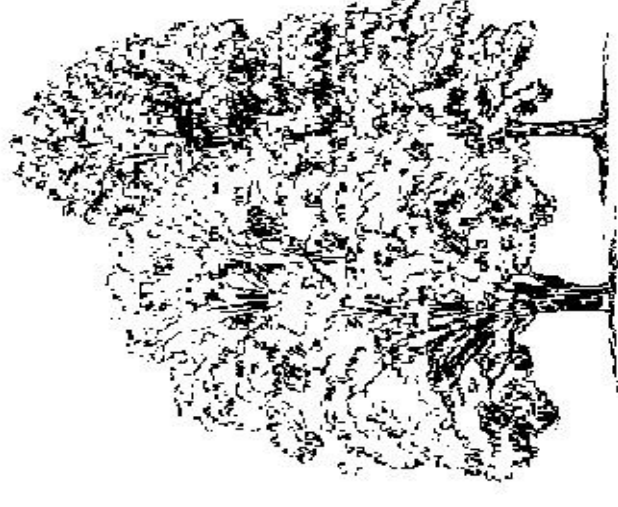
Deciduous shrubs for massing, shrub borders or foundation plantings (continued):

Botanical Name Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Jasminum nudiflorum</i> Winter Jasmine	N	2-4'	3-5'	Sun/shade	Low spreading plant with yellow flower in late winter, good for covering banks
<i>Kerria japonica</i> Japanese Kerria	N	3-6'	4-6'	Sun/part-shade	Yellow flowers may fade in full sun; tough plant; good in parking areas and shady buffers
<i>Lindera benzoin</i> Spicebush	Y	6-12'	6-12'	Sun/part-shade	Multi-stemmed shrub, greenish yellow flowers in early spring, yellow fall foliage with bright red fruit on female plants in September and October, great for naturalizing
<i>Lagerstroemia indica</i> Crape Myrtle	N	15-25'	5-15'	Sun	Tree like shrub, recommend 'Natchez' for our area, may be used as street tree under power lines, exfoliating bark
<i>Physocarpus opulifolius</i> Ninebark	Y	5-10'	6-10'	Sun/part-shade	Tolerates wide variety of soils and sites; somewhat drought tolerant, many cultivars with great selection of foliage color
<i>Rhododendron perichlymenoides</i> Pinxterbloom Azalea	Y	4-6'	4-6'	Part-shade	Fragrant deciduous azalea, with white, pink or violet bloom in May, use for naturalizing in buffer areas
<i>Rhus aromatica</i> 'Gro-low' Gro-low fragrant sumac	Y	2-3'	6-8'	Sun/part-shade	Adaptable but prefers moist, well-drained site; does well on banks, cuts and poor soils; good for bank covers, low hedges and massing
<i>Rhus typhina</i> Staghorn sumac	Y	15-25'	15-30'	Sun	Prefers well-drained soils; tolerates dry, rocky, low fertility soil; tolerates city conditions; suckers profusely
<i>Rhus copallina</i> Flameleaf sumac	Y	20-30'	20-30'	Sun/part-shade	Great for dry, rocky areas, naturalizing; requires well-drained soils; needs space; excellent scarlet fall color
<i>Salix purpurea</i> Purpleosier Willow	N	8-10'	8-10'	Sun	Good choice for stream banks and moist areas; must occasionally be pruned back to the ground; wet soils
<i>Spiraea x bumalda</i> Bumald Spiraea	N	3-4'	5-6'	Sun	'Goldflame' & 'Anthony Waterer' are popular cultivars; pink flowers, bronze red fall color; well-drained soils
<i>Spiraea prunifolia</i> Bridalwreath Spiraea	N	4-9'	6-8'	Sun/shade	Graceful habit with white flowers in spring before the leaves appear; best for informal planting, combines well with roses and perennials
<i>Spiraea thunbergii</i> Thunberg Spiraea	N	3-5'	3-5'	Sun	White flowers in early spring before leaves appear; wispy affect of foliage best when planted in mass
<i>Spiraea x vanhouttei</i> Vanhoutte Spiraea	N	6-10'	10-12'	Sun/shade	Fountain like growth habit with white flowers in May after the leaves appear; useful as specimen or massed in buffer areas
<i>Viburnum dentatum</i> Arrowwood Viburnum	Y	6-8'	6-15'	Sun/part-shade	Very durable shrub, great for screening parking lots; white flowers in late spring, bluish black fruits in fall are a favorite for birds; adaptable
<i>Viburnum plicatum</i> var. <i>tomentosum</i> Doublefile Viburnum	N	8-10'	9-12'	Sun/part-shade	Graceful shrub with horizontal branching, white flowers in spring; not drought tolerant; use as understory shrub or specimen
<i>Viburnum x burkwoodii</i> Burkwood Viburnum	N	8-10'	6-8'	Sun/part-shade	Fragrant spring flowering shrub, red fruit in fall turns to black; use for naturalizing and shrub borders



Evergreen shrubs for massing, shrub borders or foundation plantings:

Botanical Name Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Abelia grandiflora</i> Glossy Abelia	N	4-6'	3-5'	Sun/part-shade	Good for use in masses and hedges; pinkish-white flowers in late spring through frost; adaptable to many sites and heavy pruning
<i>Chamaecyparis obtusa</i> Hinoki falsecypress	N	varies	varies	Sun/light shade	Prefers moist, well-drained soil; protect from winter winds; specimen, rock gardens and massing; many cultivars available varying in size and color
<i>Elaeagnus pungens</i> Thorny elaeagnus	N	10-15'	10-15'	Sun/partial shade	Adapts to varied soils; drought, salt spray and pollution tolerant; requires consistent pruning; good for bank stabilization, hedges or screens; variegated forms available
<i>Euonymus fortunei</i> Wintercreeper	N	1-4'	3-4'	Sun/shade	Many cultivars available; good for ground cover or low hedge, best used in mass or groups; some cultivars have shown invasive tendencies; prone to scale and crown gall
<i>Euonymus japonicus</i> Japanese euonymus	N	varies	varies	Sun/shade	Tolerant of many soil types and salt spray; withstands heavy pruning; prone to numerous insects such as scale
<i>Euonymus kiautschovicus</i> Spreading euonymus	N	8-10'	8-10'	Sun/shade	Good for hedges and screens; not as susceptible to scale as other species; avoid over-pruning
<i>Gardenia jasminoides</i> Cape jasmine	N	4-6'	4-6'	Sun/partial shade	Requires moist, well-drained soil; protect from winds and cold; excellent fragrance, but dead flowers detract from plant; susceptible to white flies, powdery mildew, etc.
<i>Hypericum patulum</i> St. John's Wort	N	3-4'	3-4'	Sun	Evergreen in warmer areas, golden yellow flower in summer, good for foundation plantings or low hedges
<i>Ilex cornuta</i> Burford holly	N	varies	varies	Sun/part-shade	Extremely drought and heat tolerant; tolerant of heavy pruning; can prune to tree form; use various cultivars to match height and width requirements for site
<i>Ilex crenata</i> Japanese Holly	N	varies	varies	sun	Functional shrub for massing, screens, etc.; easy to grow; many cultivars available to fit specific needs
<i>Ilex glabra</i> Inkberry Holly	Y	6-8'	8-10'	Sun/part-shade	Tolerates wet soils; rounded habit; very trouble free and useful for naturalizing, massing and along parking lots
<i>Ilex latifolia</i> Lusterleaf holly	N	20-25'	10-20'	Sun/light shade	Pyramidal habit with really lustrous leaves; great for massing, screens, hedges or accent; Prefers well-drained soil; moderately drought tolerant
<i>Ilex x meserveae</i> Blue Holly	N	4-15'	5-8'	Sun	Hybrid group of hollies with dark leathery blue-green foliage; spectacular red fruit with male plants for good fruit set; easily pruned
<i>Ilex vomitoria</i> Yaupon holly	Y	varies	varies	Sun/part-shade	Adaptable to a wide range of sites from very wet to very dry; salt spray tolerant; urban tolerant; many forms for many uses
<i>Illicium parviflorum</i> Small anise-tree	Y	8-10' (20')	8-10'	Shade	Prefers moist soils high in organic matter; strong anise odor of foliage; use for naturalizing or in massing or as an accent plant
<i>Kalmia latifolia</i> Mountain Laurel	N	6-8'	4-8'	Sun/shade	Beautiful native shrub for foundation plantings and naturalizing in shady areas; spring flowers range in color from white to deep rose
<i>Lavandula angustifolia</i> English lavender	N	1-2'	2-4'	Sun	Blue-gray foliage; prefers well-drained soil, good for droughty sites; great as border plant in herb or perennial gardens or to soften evergreen plantings;
<i>Leucothoe fontanesiana</i> Drooping Leucothoe, Doghobble	Y	3-4'	3-5'	Shade	Great for naturalizing in shady locations; not drought or wind tolerant; needs moist soil with high organic matter; leaf spot is a serious disease concern
<i>Loropetalum chinense</i> Chinese fringe-flower	N	Varies	Varies	Sun/part-shade	Prefers moist, well-drained soils with low pH and high organic matter; tough plant, but does not prefer dry soils; many cultivars from shrub to tree forms available
<i>Magnolia stellata</i> Star Magnolia	N	15-20'	10-15'	Sun	Tree-like shrub with fragrant white flowers in early spring, avoid planting in a southern exposure, best used as a specimen
<i>Magnolia virginiana</i> Sweetbay Magnolia	Y	15-20'	10-20'	Sun/part-shade	Tolerates wet, swampy conditions, handsome foliage with sweetly fragrant white flowers in spring and red fruit in fall
<i>Myrica cerifera</i> Wax myrtle	Y	10-15'	10-15'	Sun/part-shade	Tolerates poor soil and salt spray; responds well to water and fertilizer; great in open areas, screen, barrier or in mass
<i>Nandina domestica</i> Nandina	N	4-5'	2-3'	Sun/shade	Bright red berry in fall, bronze foliage, many smaller compact cultivars also available; evergreen
<i>Osmanthus x fortunei</i> Fortune's osmanthus	N	15-20'	15-20'	Sun/medium shade	Prefers fertile, moist, well-drained soils; withstands heavy pruning; fairly urban tolerant; good for hedges, screens, in mass and as a specimen
<i>Pieris floribunda</i> Mountain Pieris	Y	2-6'	4-8'	Part-shade/shade	Fragrant white flowers, resistant to lacebug, underutilized native species, useful for foundation plantings



Evergreen shrubs for massing, shrub borders or foundation plantings (continued):

<i>Botanical Name</i> Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Pieris japonica</i> Japanese Andromeda	N	9-12'	6-8'	Part-shade/shade	Graceful early blooming shrub with fragrant, white flowers; prefers moist, well-drained soils high in organic matter; lacebug a big problem; site in shade in south
<i>Pinus mugo</i> 'Compacta' Mugo Pine	N	3-4'	2-4'	sun	Good as specimen or container plant; prefers a deep, moist soil; tolerates high pH soil and heavy pruning; sawflies can be a big problem
<i>Pittosporum tobira</i> Japanese pittosporum	N	10-12'	10-20'	Sun/full shade	Tolerates wide variety of soils, must be well-drained; tolerates heavy pruning and salt spray; thrives in sandy soils, hot and dry sites
<i>Prunus laurocerasus</i> , 'Otto Luyken' Otto Luyken English Laurel	N	3-4'	5-7'	Part-sun/shade	Popular plant for parking lots in the south; prefers moist, well-drained soil with high organic matter; tolerates salt spray; tolerates pruning
<i>Prunus laurocerasus</i> 'Schipkaensis' Schipka Laurel	N	4-5'	5-8'	Sun/shade	Adapts well to city conditions; prefers moist, well-drained soil with high organic matter; tolerates salt spray; tolerates pruning
<i>Pyracantha</i> spp. Firethorn	N	varies	varies	Sun	Difficult to transplant; adaptable to most any site; shows some drought tolerance; great for espalier and heavy pruning; susceptible to fireblight and apple scab
<i>Rhaptolepis umbellata</i> Indian hawthorn	N	4-6'	4-6'	Sun	Prefers moist, well-drained soils, tolerates drought; salt tolerant and handles confined spaces; leaf spot problem in moist areas
<i>Rhododendron carolinianum</i> Carolina Rhododendron	Y	4-6'	4-6'	Sun/shade	Good for naturalizing in buffer areas or as foundation plant; requires good drainage; light pink to white flowers in late April; shade in south a must
<i>Rhododendron catawbiense</i> Catawba Rhododendron	Y	6-10'	6-10'	Sun/shade	Lilac purple flowers late spring to early summer; use for foundation plantings or massing in buffers; requires good drainage
<i>Rhododendron obtusum</i> Kurume Azalea	N	2-4'	2-4'	Part-shade	Hybrid group of evergreen azaleas; all colors available; good for foundation plantings and small scale settings; requires good drainage and shade in south
<i>Viburnum awabuki</i> Awabuki viburnum	N	15-20'	15-20'	Sun/part-shade	Protect from wind and cold; adaptable to many sites; use as hedge, screen or accent plant



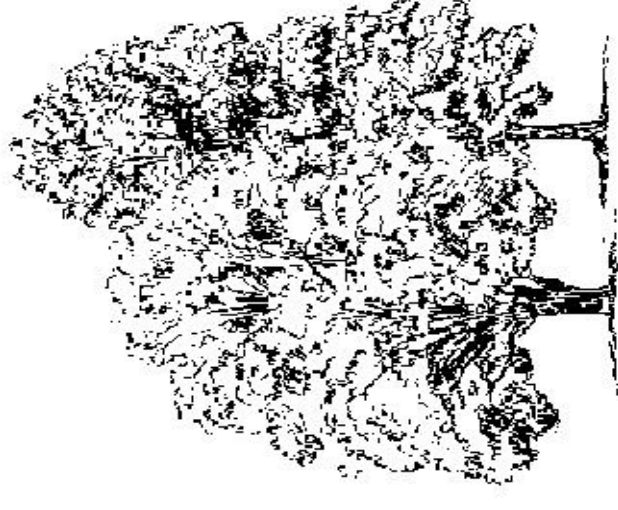
Plants for small hedges (less 6’):

<i>Botanical Name</i> Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Abelia grandiflora</i> Glossy Abelia	N	4-6’	3-5’	Sun/part-shade	Good for use in masses and hedges; pinkish-white flowers in late spring through frost; adaptable to many sites and heavy pruning; evergreen to semi-evergreen
<i>Buxus microphylla</i> Littleleaf boxwood	N	3-4’	3-4’	Sun/part-shade	Requires well-drained soil; responds well to pruning; protect from drying winter winds and severe low temperatures; evergreen
<i>Buxus microphylla</i> var. <i>koreana</i> x <i>B. sempervirens</i> Boxwood	N	2-5’	3-6’	Sun/part-shade	Requires well-drained soil; responds well to pruning; protect from drying winter winds and severe low temperatures; evergreen
<i>Ilex vomitoria</i> Yaupon holly	Y	varies	varies	Sun/part-shade	Adaptable to a wide range of sites from very wet to very dry; salt spray tolerant; urban tolerant; many forms for many uses; evergreen
<i>Jasminum nudiflorum</i> Winter Jasmine	N	2-4’	3-5’	Sun/shade	Low spreading plant with yellow flower in late winter; good for covering banks; evergreen
<i>Mahonia aquifolium</i> Oregon Grapeholly	N	4-6’	4-6’	Shade	Golden yellow flowers and blue fruit; makes a good foundation or specimen plant; prefers moist, well-drained soil; avoid dry, hot windy sites as foliage will brown
<i>Nandina domestica</i> Nandina	N	4-5’	2-3’	Sun/shade	Bright red berry in fall, bronze foliage, many smaller compact cultivars also available; evergreen
<i>Prunus laurocerasus</i> , ‘Otto Luyken’ Otto Luyken Laurel	N	3-4’	5-7’	Sun/ shade	Popular plant for parking lots in the south, large lustrous dark green foliage; evergreen
<i>Rhapiolepis umbellata</i> Indian hawthorn	N	4-6’	4-6’	Sun	Prefers moist, well-drained soils, tolerates drought; salt tolerant and handles confined spaces; leaf spot problem in moist areas
<i>Rhododendron obtusum</i> Kurume Azalea	N	2-4’	2-4’	Part-shade	Hybrid group of evergreen azaleas, all colors available, good for foundation plantings and small scale settings; evergreen
<i>Rhus aromatica</i> ‘Gro-low’ Gro-low fragrant sumac	Y	2-3’	6-8’	Sun/part-shade	Adaptable but prefers moist, well-drained site; does well on banks, cuts and poor soils; good for bank covers, low hedges and massing
<i>Taxus x media</i> English-Japanese Yew	N	varies	varies	Sun/shade	Size depends on cultivar, excellent shrub for hedges, screens or foundation plantings, tolerant of city conditions; evergreen



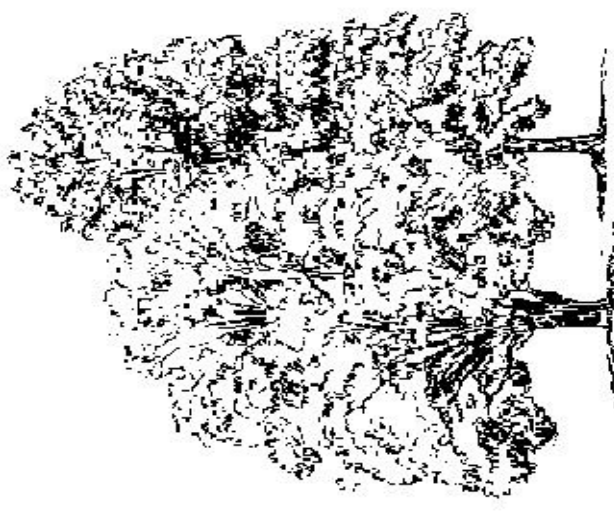
Plants for tall hedges (over 6') or screens:

Botanical Name Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Acer campestre</i> Hedge maple	N	25-35'	30-35'	Sun/light shade	Extremely adaptable; tolerates drought and soil compaction, air pollution and severe pruning; small lawn specimen or residential street tree; deciduous
<i>Aucuba japonica</i> Japanese aucuba	N	6-10'	4-8'	Shade	Moist, well-drained soil with high organic matter; pollution tolerant variegated and straight green forms available; evergreen
<i>Berberis julianae</i> Wintergreen Barberry	N	6-8'	6-8'	Sun/part-shade	Makes a great barrier hedge, but avoid pruning; golden yellow flowers in April followed by bluish black fruits; thorny, evergreen
<i>Buxus sempervirens</i> Common boxwood	N	15-20'	15-20'	Sun/shade	Very functional plant, adapts well to pruning; often gets psyllid, not a threat, rather an aesthetic problem; evergreen
<i>Camellia japonica</i> Japanese camellia	N	10-15' (20')	6-10'	Partial shade	Prefers well-drained soil; high organic matter; properly site in zone 7 to protect against winter injury; evergreen
<i>Camellia sasanqua</i> Sasanqua camellia	N	6-10' (15')	6-10'	Partial shade	Prefers well-drained soil; high organic matter; properly site in zone 7 to protect against winter injury; more refined than <i>C. japonica</i> ; evergreen
<i>Chaenomeles speciosa</i> Common floweringquince	N	6-10'	6-10'	Sun to partial shade	Great flower color selections; highly adaptable to wide range of sites; leaf spot may be a problem; fruit used for preserves and jelly; deciduous
<i>Crataegus crusgalli</i> var. <i>inermis</i> Thornless cockspur hawthorn	Y	20-30'	20-35'	Sun	Adaptable, prefers well-drained soil; moderately urban tolerant; use only thornless variety for street trees; great for screens and hedges; deciduous
<i>X Cupressocyparis leylandii</i> Leyland Cypress	N	60-70'	10-15'	Sun	Forms excellent upright hedge or windscreen, fast growing, best if left unpruned and used in a mixed border; evergreen
<i>Cupressus arizonica</i> Arizona cypress	Y	40-50'	25-30'	Sun	Prefers hot, dry conditions with well-drained soil; great specimen, screen or windbreak plant; intense blue foliage, so don't use too many together; evergreen
<i>Hibiscus syriacus</i> Shrub althea or Rose-of-Sharon	N	8-12'	6-10'	Sun/part-shade	Highly adaptable; flowers can be messy; great for shrub border, in mass or as hedge or screen; use single stem cultivars only as specimens; deciduous
<i>Ilex x attenuata</i> 'Fosteri' Foster Holly	N	20-30'	5-10'	Sun/part-shade	Excellent as specimen or hedge, especially in narrow spaces, tolerates city conditions, red berries in fall and winter, good in containers, self pollinating; evergreen
<i>Ilex cornuta</i> 'Burfordii' Burford holly	N	8-10' (25')	10-15'	Sun/part-shade	Extremely drought and heat tolerant; tolerant of heavy pruning; can prune to tree form; evergreen
<i>Ilex glabra</i> Inkberry Holly	Y	6-8'	8-10'	Sun/part-shade	Tolerates wet soils; rounded habit; very trouble free and useful for naturalizing in buffers and in parking lots; evergreen
<i>Ilex latifolia</i> Lusterleaf holly	N	20-25'	10-20'	Sun/light shade	Pyramidal habit with really lustrous leaves; great for massing, screens, hedges or accent; Prefers well-drained soil; moderately drought tolerant; evergreen
<i>Ilex x meserveae</i> Blue Holly	N	4-15'	5-8'	Sun	Hybrid group of hollies with dark leathery blue-green foliage; spectacular red fruit with male plants for good fruit set; easily pruned; evergreen
<i>Ilex opaca</i> American Holly	Y	40-50'	20-40'	Sun/part-shade	Slow growing, plant male and female for berries, protect from winter sun and desiccating winds; evergreen
<i>Ilex x 'Nellie R. Stevens'</i> Nellie Stevens Holly	N	15-25'	10-15'	Sun/part-shade	Excellent as specimen, for borders and foundation plantings, fast grower, good screen background, vigorous and drought resistant, self pollinating, red berries; evergreen
<i>Ilex vomitoria</i> Yaupon holly	Y	varies	varies	Sun/part-shade	Adaptable to a wide range of sites from very wet to very dry; salt spray tolerant; urban tolerant; many forms for many uses; evergreen



Plants for tall hedges (over 6') or screens (continued):

Botanical Name Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Juniperus chinensis</i> Chinese Juniper	N	varies	varies	Sun	Species varies from ground cover to large tree; check size of cultivar before planting; requires well-drained soil; once established tolerates dry soils; evergreen
<i>Juniperus scopulorum</i> Rocky Mountain Juniper	N	30-40'	3-15'	Sun	Valued for screens and hedges; blue cast to the foliage; very drought tolerant, may not perform well in high heat and humidity of south; evergreen
<i>Juniperus virginiana</i> Eastern Redcedar	Y	40-50'	10-20'	Sun	Useful for windbreaks and shelter belts; sage green foliage becomes bronze in winter; great for naturalizing for open areas; evergreen
<i>Ligustrum japonicum</i> Japanese privet	N	6-12'	6-10'	Sun/shade	Adaptable; tolerates salt and heavy pruning; soil must be well-drained; numerous cultivars available; evergreen
<i>Lonicera fragrantissima</i> Winter honeysuckle	N	6-10' (15')	6-10' (15')	Sun/part-shade	Prefers well-drained soils; adaptable to a variety of sites; great, lemony fragrance of early flowers; use as hedge, screen or in shrub border; not invasive as other <i>Lonicera</i>
<i>Mahonia bealei</i> Leatherleaf mahonia	N	6-10'	3-6'	Shade/part sun	Prefers well-drained, moist soils; avoid windy, hot sites ad leaves will brown; good for informal hedge or in mass
<i>Myrica cerifera</i> Wax myrtle	Y	10-15'	10-15'	Sun/part-shade	Tolerates poor soil and salt spray; responds well to water and fertilizer; great in open areas, screen, barrier or in mass
<i>Nerium oleander</i> Oleander	N	6-12'	6-12'	Sun/part-shade	Well-adapted for coastal areas; highly tolerant of windy sites, pollution, salt, heat and drought; responds to f
<i>Osmanthus x fortunei</i> Fortune's osmanthus	N	15-20'	15-20'	Sun/medium shade	Prefers fertile, moist, well-drained soils; withstands heavy pruning; fairly urban tolerant; good for hedges, screens, in mass and as a specimen
<i>Physocarpus opulifolius</i> Ninebark	Y	5-10'	6-10'	Sun/part-shade	Tolerates wide variety of soils and sites; somewhat drought tolerant, many cultivars with great selection of foliage color
<i>Pittosporum tobira</i> Japanese pittosporum	N	10-12'	10-20'	Sun/full shade	Tolerates wide variety of soils, must be well-drained; tolerates heavy pruning and salt spray; thrives in sandy soils, hot and dry sites
<i>Poncirus trifoliata</i> Hardy-orange	N	8-20'	3-12'	Sun	Tolerates wide range of soils and sites; extremely thorny! Use as hedge or barrier
<i>Prunus caroliniana</i> Cherrylaurel	Y	20-30'	15-25'	Sun/part-shade	Prefers moist, well-drained soils; withstands heavy pruning; great for screens, hedges; vigorous growers
<i>Pyracantha spp.</i> Firethorn	N	varies	varies	Sun	Difficult to transplant; adaptable to most any site; shows some drought tolerance; great for espalier and heavy pruning; susceptible to fireblight and apple scab
<i>Viburnum awabuki</i> Awabuki viburnum	N	15-20'	15-20'	Sun/part-shade	Protect from wind and cold; adaptable to many sites; use as hedge, screen or accent plant
<i>Taxus x media</i> English-Japanese Yew	N	varies	varies	Sun/shade	Size depends on cultivar; excellent shrub for hedges, screens or foundation plantings; tolerant of city conditions; must be well-drained soil; evergreen
<i>Thuja occidentalis</i> American Arborvitae	Y	15-25'	10-15'	Sun	Attractive as background plant; many cultivars available that are smaller and more compact; evergreen
<i>Thuja orientalis</i> Oriental Arborvitae	N	15-25'	10-15'	sun	Good for a wide range of landscape needs, very tolerant of heat, cold and poor soils; evergreen
<i>Tsuga canadensis</i> Canadian Hemlock	Y	40-70'	25-35'	sun or shade	Protect from desiccating winds, not very tolerant of urban conditions, best used for screening and buffers; evergreen
<i>Tsuga caroliniana</i> Carolina Hemlock	Y	45-60'	20-25'	sun or shade	More tolerant of urban conditions than <i>Tsuga canadensis</i> , not tolerant of drought, protect from winds; evergreen
<i>Viburnum rhytidophyllum</i> Leatherleaf Viburnum	N	10-15'	10-15'	Shade	Yellowish white flowers in mid spring; shelter from winter wind and sun; use for screening or as a background shrub; evergreen to semi-evergreen



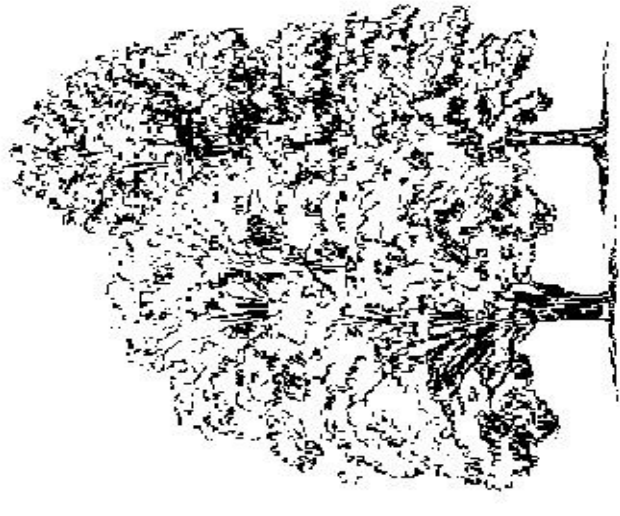
Groundcovers:

Botanical Name Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Ajuga reptans</i> Bugleflower	N	<1'	no limit	Part-shade	Excellent ground cover for moist locations; good for rock gardens, blue spiked flowers in mid-springs; drought tolerant
<i>Aspidistra elatior</i> Cast-iron plant	N	1-2'	2-3'	Shade/partial shade	Great for textural contrast in mass; drought tolerant
<i>Cotoneaster dammeri</i> Beautyberry cotoneaster	N	1-1½'	4-6'	Sun/part-shade	Adaptable; prefers well-drained soil; great for rock gardens or on rock walls
<i>Cotoneaster salicifolius</i> 'Scarlet Leader' Willowleaf Cotoneaster	N	2-3'	6-8'	Sun	Low growing cultivar with glossy green foliage and red berries; purplish-red winter leaf color; good for steep banks
<i>Cytisus scoparius</i> Scotch broom	N	5-6'	5-10'	Sun/part-shade	Wide array of colors, good for massing and bank stabilization; adaptable, performing well on dry, poor soils
<i>Euonymus fortunei</i> Wintercreeper	N	1-4'	3-4'	Sun/ shade	Many cultivars available; good for ground cover or low hedge, best used in mass or groups; some cultivars have shown invasive tendencies
<i>Elaeagnus pungens</i> Thorny elaeagnus	N	10-15'	10-15'	Sun/partial shade	Adapts to varied soils; drought, salt spray and pollution tolerant; requires consistent pruning; good for bank stabilization, hedges or screens; variegated forms available
<i>Gardenia jasminoides</i> 'Radicans' Dwarf Cape jasmine	N	2-3'	4-5'	Sun/partial shade	Requires moist, well-drained soil; protect from winds and cold; excellent flower fragrance; graceful, flowing habit
<i>Hedera helix</i> English Ivy	N	<1	varies	Shade	Adaptable groundcover can also be used as a vine to cover structures; has shown invasive tendencies
<i>Hypericum patulum</i> St. John's Wort	N	3-4'	3-4'	Sun	Evergreen in warmer areas; golden yellow flower in summer; good for foundation plantings or low hedges
<i>Jasminum nudiflorum</i> Winter Jasmine	N	2-4'	3-5'	Sun/shade	Low spreading plant with yellow flower in late winter; good for covering banks
<i>Juniperus chinensis</i> Chinese Juniper	N	varies	varies	Sun	Species varies considerably from low growing ground cover to large tree; check size of cultivar before planting; requires well-drained soil; once established tolerates dry soils
<i>Juniperus conferta</i> Shore Juniper	N	1-2'	6-9'	Sun	Low groundcover with bluish green foliage; tolerant of poor, dry soils and drought; requires well-drained soils
<i>Juniperus horizontalis</i> Creeping Juniper	N	1-4'	varies	Sun	Lacy foliage; makes good groundcover for hot, dry sites; good for foundation plantings on slopes and in containers
<i>Juniperus procumbens</i> Japanese Garden Juniper	N	1-2'	10-12'	Sun	One of the best ground cover junipers for terraces and hillsides; requires well-drained soil; plant in open areas
<i>Liriope muscari</i> Lilyturf	N	1-2'	1-2'	Sun/shade	Effective in mass as ground cover under trees, lavender flowers in fall followed by black fruit
<i>Liriope spicata</i> Creeping lilyturf					
<i>Pachysandra procumbens</i> Pachysandra	Y	1'	varies	Shade	Low growing native ground cover with mottled foliage, leaves larger than <i>Pachysandra terminalis</i> ; deciduous
<i>Pachysandra terminalis</i> Pachysandra	N	1'	varies	Shade	Great low growing groundcover of uniform height for shady areas where grass does not grow
<i>Rhus aromatica</i> 'Gro-low' Gro-low fragrant sumac	Y	2-3'	6-8'	Sun/part-shade	Adaptable but prefers moist, well-drained site; does well on banks, cuts and poor soils; good for bank covers, low hedges and massing
<i>Salix purpurea</i> Purpleosier Willow	N	8-10'	8-10'	Sun	Good choice for stream banks and moist areas; must occasionally be pruned back to the ground; wet soils



Plants for planters (or small spaces):

Botanical Name Common Name	Native	Mature Height/Spread	Light Requirements	Comments
<i>Acer ginnala</i> Amur Maple	N	15-20'/15-20'	Sun/part-shade	Adaptable to a wide range of soils, easy to transplant, tends toward multi-stem, not recommended for street tree, good for corners or blank walls of buildings
<i>Amelanchier arborea</i> Serviceberry, Sarvis	Y	15-25'/10-15'	Sun/part-shade	Blooms in early spring before dogwoods with pink/white flowers, recommended for planting under power lines, can be multi-trunked
<i>Cercis canadensis</i> Eastern Redbud	Y	20-30'/25-35'	Sun/part-shade	Beautiful magenta flowers in spring, best for use in woodland/naturalized settings, use in buffer areas as understory or street tree under power lines, difficult to transplant
<i>Cotinus obovatus</i> American Smoketree	Y	20-30'/20-30'	Sun	Good small tree for street and urban plantings, tolerates dry soil conditions, magnificent fall foliage ranges from yellow/orange, to red/reddish purple, attractive bark in winter
<i>Chionanthus virginicus</i> White Fringetree	Y	15-20'/12-15'	Sun/part-shade	Beautiful white fragrant flowers in spring, dark blue fruit in fall, makes a great understory tree in buffer areas, or street tree under power lines
<i>Crataegus phaenopurum</i> Washington Hawthorn	Y	25-30'/20-25'	Sun	Creamy white flowers in May, attractive in winter with persistent red fruit, good street tree
<i>Crataegus viridis</i> 'Winter King' Winter green green hawthorn	Y	20-35'/20-35'	Sun	Vase-shaped, rounded habit; persistent, large red fruits, very nice
<i>Hamamelis x intermedia</i> Hybrid witchhazel	N	Varies/varies	Sun/part-shade	Many unique cultivars with a variety of flower colors; prefers moist, well-drained soils with high organic matter
<i>Hamamelis virginiana</i> Witchhazel	Y	20-30'/20-25'	Sun/shade	Great for naturalizing, massing, as a specimen or under power lines
<i>Heptacodium miconioides</i> Seven-son flower	N	10-20'/7-10'	Sun/light-shade	Prefers moist soil high in organic matter; not overly drought tolerant; in south best in light shade; great in shrub borders or as accent
<i>Ilex vomitoria</i> 'Pendula' Weeping Yaupon holly	Y	20-25'/10-15'	Sun/part-shade	Adaptable to a variety of soils from dry to very wet; tolerates salt spray; great as accent plant
<i>Juniperus chinensis</i> Chinese Juniper	N	Varies/varies	Sun	Species varies considerably from low growing ground cover to large tree; check size of cultivar before planting; requires well-drained soil; once established tolerates dry soils
<i>Juniperus conferta</i> Shore Juniper	N	1-2'/6-9'	Sun	Low groundcover with bluish green foliage; tolerant of poor, dry soils and drought; requires well-drained soils
<i>Juniperus horizontalis</i> Creeping Juniper	N	1-4'/varies	Sun	Lacy foliage; makes good groundcover for hot, dry sites; good for foundation plantings on slopes and in containers
<i>Juniperus procumbens</i> Japanese Garden Juniper	N	1-2'/10-12'	Sun	One of the best ground cover junipers for terraces and hillsides; requires well-drained soil; plant in open areas
<i>Koelreuteria paniculata</i> Goldenrain Tree	N	30-40'/30-40'	Sun	Withstands drought, heat, wind and pollution, good urban street tree, yellow summer flowers, reseeds easily
<i>Lagerstroemia indica</i> Crape myrtle	N	Varies based on cultivar	Sun	Adaptable species; prefers hot conditions; many cultivars suited to various sites
<i>Lindera benzoin</i> Spicebush	Y	6-12'/6-12'	Sun/part-shade	Multi-stemmed shrub, greenish yellow flowers in early spring, yellow fall foliage with bright red fruit on female plants in September and October, great for naturalizing
<i>Magnolia stellata</i> Star Magnolia	N	15-20'/10-15'	Sun	Tree-like shrub with fragrant white flowers in early spring, avoid planting in a southern exposure, best used as a specimen
<i>Magnolia virginiana</i> Sweetbay Magnolia	Y	15-20'/10-20'	Sun/part-shade	Tolerates wet, swampy conditions, handsome foliage with sweetly fragrant white flowers in spring and red fruit in fall
<i>Malus</i> Flowering Crabapple	N	15-25'/15-25'	Sun	Beautiful spring flowering tree in many colors, new cultivars are more resistant to fire blight, recommended varieties include: 'Adams', 'Centurion', 'Prairie Fire', 'Harvest Gold', 'Autumn Glory', 'Red Snow', and 'Sugar Tyme'



Plants for planters (or small spaces) (continued):

<i>Botanical Name</i> Common Name	Native	Mature Height/Spread	Light Requirements	Comments
<i>Parrotia persica</i> Persian Parrotia	N	20-40'/15-20'	Sun	Excellent small tree with exfoliating bark and crimson flowers in early spring, use as street tree under power lines or as an accent plant
<i>Pinus densiflora</i> Japanese Red Pine	N	40-60'/40-60'	Sun	Picturesque interesting form, use as specimen; decorative orange exfoliating bark; prefers well-drained, moist soil
<i>Pyracantha</i> spp. Firethorn	N	varies	Sun	Difficult to transplant; adaptable to most any site; shows some drought tolerance; great for espalier and heavy pruning; susceptible to fireblight and apple scab
<i>Rhapiolepis umbellata</i> Indian hawthorn	N	4-6'/4-6'	Sun	Prefers moist, well-drained soils, tolerates drought; salt tolerant and handles confined spaces; leaf spot problem in moist areas
<i>Rhus aromatica</i> 'Gro-low' Gro-low fragrant sumac	Y	2-3'/6-8'	Sun/part-shade	Adaptable but prefers moist, well-drained site; does well on banks, cuts and poor soils; good for bank covers, low hedges and massing
<i>Viburnum prunifolium</i> Blackhaw Viburnum	Y	15-20'/8-12'	Sun/shade	Adaptable to many soil types, does well in dry soils, white flowers in May, good fall color, fine specimen tree

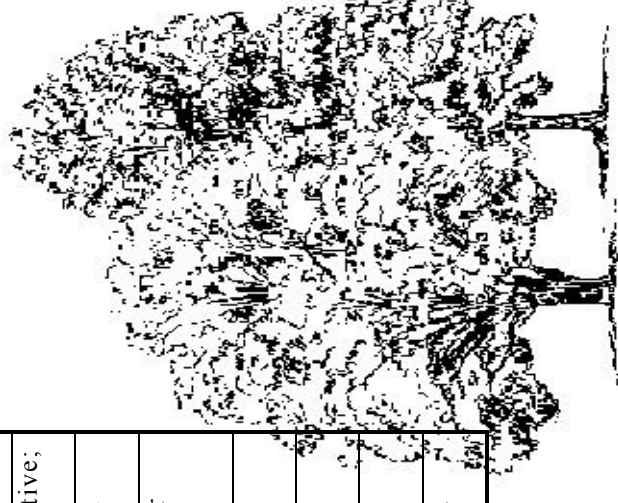


Evergreens for Windbreaks

<i>Botanical Name</i> Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Cupressus arizonica</i> Arizona cypress	Y	40-50'	25-30'	Sun	Prefers hot, dry conditions with well-drained soil; great specimen, screen or windbreak plant; intense blue foliage, so don't use too many together
<i>Juniperus chinensis</i> Chinese Juniper	N	varies	varies	sun	Species varies considerably from low growing ground cover to large tree, check size of cultivar before planting. 'Pfitzeriana' and 'Hetzii' are common
<i>Thuja occidentalis</i> American Arborvitae	N	15-25'	10-15'	sun	Attractive as background plant, many cultivars available that are smaller and more compact

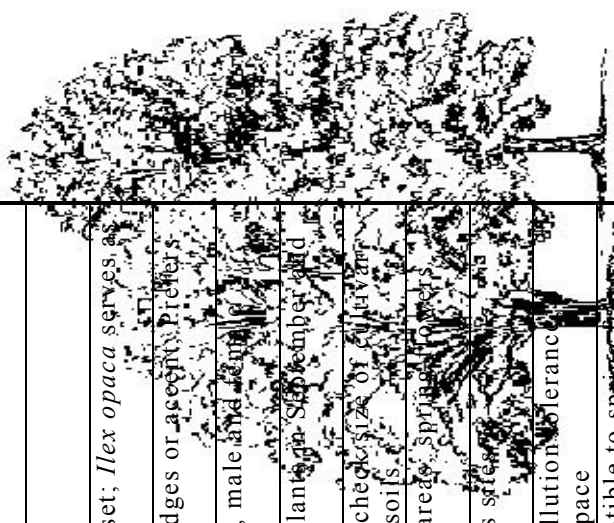
Plants for barriers:

<i>Botanical Name</i> Common Name	Native	Mature Height	Mature Spread	Light Requirements	Comments
<i>Aralia spinosa</i> Devils-walkingstick	Y	10-20'	10-20'	Sun/part-shade	Great for difficult sites; survives with neglect; thorns are seriously deadly; has tropical feel to it
<i>Berberis julianae</i> Wintergreen Barberry	N	6-8'	6-8'	Sun/part-shade	Makes a great barrier hedge, avoid pruning, golden yellow flowers in April followed by bluish black fruits
<i>Berberis x mentorensis</i> Mentor Barberry	N	5-7'	5-7'	Sun/part-shade	Thorny stems; nice yellow flowers in spring, but usually does not produce fruit; requires well-drained soils and drought tolerant
<i>Berberis thunbergii</i> Japanese Barberry	N	2-4'	2-3'	Sun	Requires well-drained soils and withstands dry conditions; yellow flowers and red berries can be attractive; many cultivars available
<i>Chaenomeles speciosa</i> Common floweringquince	N	6-10'	6-10'	Sun to partial shade	Great flower color selections; highly adaptable to wide range of sites; leaf spot may be a problem; fruit used for preserves and jelly
<i>Cotoneaster salicifolius</i> 'Scarlet Leader' Willowleaf Cotoneaster	N	2-3'	6-8'	Sun	Low growing cultivar with glossy green foliage and red berries, purplish-red winter leaf color, good for steep banks
<i>Elaeagnus pungens</i> Thorny elaeagnus	N	10-15'	10-15'	Sun/partial shade	Adapts to varied soils; drought, salt spray and pollution tolerant; requires consistent pruning; good for bank stabilization, hedges or screens; variegated forms available
<i>Juniperus chinensis</i> Chinese Juniper	N	varies	varies	Sun	Species varies considerably from low growing ground cover to large tree; check size of cultivar before planting; requires well-drained soil; once established tolerates dry soils
<i>Poncirus trifoliata</i> Hardy-orange	N	8-20'	3-12'	Sun	Tolerates wide range of soils and sites; extremely thorny! Use as hedge or barrier
<i>Pyracantha</i> spp. Firethorn	N	varies	varies	Sun	Difficult to transplant; adaptable to most any site; shows some drought tolerance; great for espalier and heavy pruning; susceptible to fireblight and apple scab



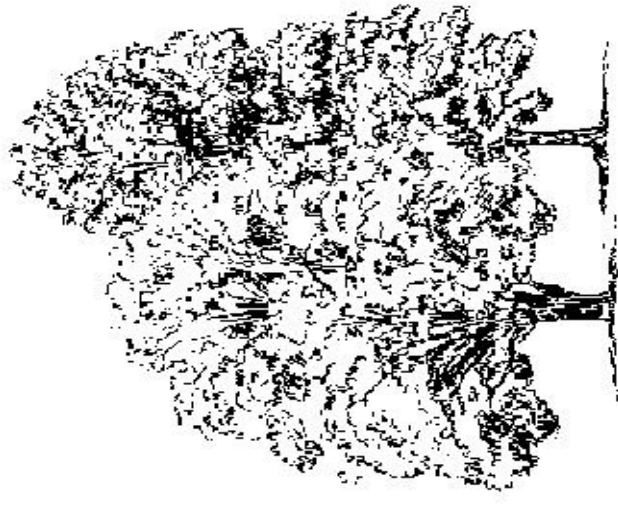
Plants for groupings or accents:

Botanical Name Common Name	Native	Evergreen (E) or deciduous (D) Semi-evergreen (SE)	Mature Height	Mature Spread	Light Requirements	Comments
<i>Camellia japonica</i> Japanese camellia	N	E	10-15' (20')	6-10'	Partial shade	Prefers well-drained soil; high organic matter; properly site in zone 7 to protect against winter injury
<i>Camellia sasanqua</i> Sasanqua camellia	N	E	6-10' (15')	6-10'	Partial shade	Prefers well-drained soil; high organic matter; properly site in zone 7 to protect against winter injury; more refined than <i>C. japonica</i>
<i>Cephalotaxus harringtonia</i> Japanese plum yew	N	E	varies	varies	Shade preferred, sun ok	Aristocratic evergreen for groupings, massing or accent plantings; prefers well-drained soils; tolerates drought once established; deer proof
<i>Chamaecyparis obtusa</i> Hinoki falsecypress	N	E	varies	varies	Sun/light shade	
<i>Chionanthus virginicus</i> White Fringetree	Y	D	15-20'	10-15'	Sun/part-shade	Beautiful white fragrant flowers in spring, dark blue fruit in fall; great understory tree in woodland or buffer areas, or under power lines; moderate drought tolerance
<i>Daphne x burkwoodii</i> Burkwood daphne	N	SE	3-4'	3-4'	Sun/light sun	Requires well-drained soil; "Carol Mackie" is nice variegated cultivar; flowers fragrant; somewhat apricot
<i>Daphne odora</i> Fragrant or winter daphne	N	E	4-6'	4-6'	Shade/light sun	Many flower colors available through cultivars, fragrant; not as particular as other daphnes, but may be a bit temperamental
<i>Hamamelis x intermedia</i> Hybrid witchhazel	N	D	Varies	Varies	Sun/part-shade	Many unique cultivars with a variety of flower colors; prefers moist, well-drained soils with high organic matter
<i>Hamamelis virginiana</i> Witchhazel	Y	D	20-30'	20-25'	Sun/shade	Great for naturalizing, massing, as a specimen or under power lines
<i>Ilex decidua</i> Possumhaw holly	Y	D	7-15'	7-12'	Sun/part-shade	Adaptable; fruits orange to scarlet; need both males and females for fruit set; <i>Ilex opaca</i> serves as pollinator
<i>Ilex latifolia</i> Lusterleaf holly	N	E	20-25'	10-20'	Sun/light shade	Pyramidal habit with really lustrous leaves; great for massing, screens, hedges or accent. Prefers well-drained soil; moderately drought tolerant
<i>Ilex verticillata</i> Winterberry Holly	Y	D	6-12'	6-10'	Sun/part-shade	A deciduous holly with bright red fruit that persists throughout the winter, male and female plants required for fruit set
<i>Lindera benzoin</i> Spicebush	Y	D	6-12'	6-12'	Sun/part-shade	Multi-stemmed shrub; yellow fall foliage with bright red fruit on female plants. September and October; prefers well-drained, moist soils; difficult to transplant
<i>Juniperus chinensis</i> Chinese Juniper	N	E	varies	varies	Sun	Species varies considerably from low growing ground cover to large tree; check size of cultivar before planting; requires well-drained soil; once established tolerates dry soils.
<i>Kalmia latifolia</i> Mountain Laurel	N	E	6-8'	4-8'	Sun/shade	Beautiful native shrub for foundation plantings and naturalizing in shady areas. Spring flowers range in color from white to deep rose
<i>Lagerstroemia indica</i> Crape myrtle	N	D	Varies	Varies	Sun	Adaptable species; prefers hot conditions; many cultivars suited to various spaces
<i>Magnolia x soulangiana</i> Saucer Magnolia	N	D	20-30'	20-30'	Sun	Pinkish purple flowers in early spring susceptible to spring frost; good pollution tolerance; prefers moist soil with high organic matter content; needs ample rooting space
<i>Magnolia stellata</i> Star Magnolia	N	D	15-20'	10-20'	Sun	Multi-stemmed, large shrub; fragrant white flowers in early spring, susceptible to spring frost; avoid planting in a southern exposure, best used as a specimen
<i>Magnolia virginiana</i> Sweetbay Magnolia	Y	D (SE)	15-20' (50')	10-20'	Sun/part-shade	Tolerates wet, swampy conditions; handsome foliage and sweetly fragrant white flowers in spring; best used as specimen or small patio tree
<i>Physocarpus opulifolius</i> Ninebark	Y	D	5-10'	6-10'	Sun/part-shade	Tolerates wide variety of soils and sites; somewhat drought tolerant, many cultivars with great selection of foliage color
<i>Rhapiolepis umbellata</i> Indian hawthorn	N	E	4-6'	4-6'	Sun	Prefers moist, well-drained soils, tolerates drought; salt tolerant and handles confined spaces; leaf spot problem in moist areas
<i>Pyracantha spp.</i> Firethorn	N	E (SE)	varies	varies	Sun	Difficult to transplant; adaptable to most any site; shows some drought tolerance; great fire espalier and heavy pruning; susceptible to fireblight and apple scab
<i>Rhus aromatica</i> 'Gro-low' Gro-low fragrant sumac	Y	D	2-3'	6-8'	Sun/part-shade	Adaptable but prefers moist, well-drained site; does well on banks, cuts and poor soils; good for bank covers, low hedges and massing



Plants for Naturalizing

<i>Botanical Name</i> Common Name	Native	Mature Height/Spread	Light Requirements	Comments
<i>Amelanchier arborea</i> Serviceberry, Sarvis	Y	15-25'/10-15'	Sun/part-shade	Blooms in early spring before dogwoods with pink/white flowers, recommended for planting under power lines, can be multi-trunked
<i>Carpinus caroliniana</i> American Hornbeam	Y	20-30'/20-30'	Sun/shade	Good street tree, great for naturalizing along woodland edges, in buffer areas or along streams
<i>Cercis canadensis</i> Eastern Redbud	Y	20-30'/25-35'	Sun/part-shade	Beautiful magenta flowers in spring, best for use in woodland/naturalized settings, use in buffer areas as understory or street tree under power lines, difficult to transplant
<i>Chionanthus virginicus</i> White Fringetree	Y	15-20'/12-15'	Sun/part-shade	Beautiful white fragrant flowers in spring, dark blue fruit in fall, makes a great understory tree in buffer areas, or street tree under power lines
<i>Cornus alternifolia</i> Pagoda Dogwood	Y	15-25'/10-20'	Sun/part-shade	Fibrous spreading roots, best for naturalizing in buffer areas, spreading habit with horizontal branches creates a layered look
<i>Cornus florida</i> Flowering Dogwood	Y	20-30'/20-30'	Sun/part-shade	Good for naturalizing on edge of buffer areas, needs good air circulation, not pollution tolerant, not recommended for street tree planting
<i>Halesia tetraptera</i> Carolina silverbell	Y	30-40'/20-35'	Sun/part-shade	Prefers well-drained soils, high in organic matter; container stock preferred; use as specimen, shrub border in massing
<i>Hamamelis x intermedia</i> Hybrid witchhazel	N	Varies/varies	Sun/part-shade	Many unique cultivars with a variety of flower colors; prefers moist, well-drained soils with high organic matter
<i>Hamamelis virginiana</i> Witchhazel	Y	20-30'/20-25'	Sun/shade	Great for naturalizing, massing, as a specimen or under power lines
<i>Ilex verticillata</i> Winterberry Holly	Y	6-12'/6-10'	Sun/part-shade	A deciduous holly with bright red fruit that persists throughout the winter, male and female required for fruit set
<i>Lindera benzoin</i> Spicebush	Y	6-12'/6-12'	Sun/part-shade	Multi-stemmed shrub; yellow fall foliage with bright red fruit on female plants in September and October; prefers well-drained, moist soils; difficult to transplant
<i>Ostrya virginiana</i> American Hophornbeam	Y	25-40'/20-40'	Sun/part-shade	Useful as an understory tree and also as a street tree in residential areas; prefers cool, moist, well-drained soils; slow to establish
<i>Oxydendrum arboreum</i> Sourwood	Y	25-30'/15-20'	Sun/part-shade	White flowers in summer, excellent fall color; hard to transplant; drought tolerant in good soils; not for polluted or urban areas
<i>Physocarpus opulifolius</i> Ninebark	Y	5-10'/6-10'	Sun/part-shade	Tolerates wide variety of soils and sites; somewhat drought tolerant, many cultivars with great selection of foliage color
<i>Rhus aromatica</i> 'Gro-low' Gro-low fragrant sumac	Y	2-3'/6-8'	Sun/part-shade	Adaptable but prefers moist, well-drained site; does well on banks, cuts and poor soils; good for bank covers, low hedges and massing
<i>Rhus typhina</i> Staghorn sumac	Y	15-25'/15-30'	Sun	Prefers well-drained soils; tolerates dry, rocky, low fertility soil; tolerates city conditions; suckers profusely
<i>Rhus copallina</i> Flameleaf sumac	Y	20-30'/20-30'	Sun/part-shade	Great for dry, rocky areas, naturalizing; requires well-drained soils; needs space; excellent scarlet fall color
<i>Salix purpurea</i> Purpleosier Willow	N	8-10'/8-10'	Sun	Good choice for stream banks and moist areas; must occasionally be pruned back to the ground; wet soils
<i>Sambucus canadensis</i> American elder	Y	5-12'/5-12'	Sun/part-shade	Prefers moist soil, but tolerates dry soil; thrives under alkaline or acidic soils; use for naturalizing; fruit edible for jellies, wine and so on
<i>Viburnum prunifolium</i> Blackhaw Viburnum	Y	15-20'/8-12'	Sun/shade	Adaptable to many soil types, does well in dry soils, white flowers in May, good fall color, fine specimen tree



Plants for specimens:

<i>Botanical Name</i> Common Name	Native	Mature Height/Spread	Light Requirements	Comments
<i>Acer griseum</i> Paperbark maple	N	20-30'/10-30'	Sun/light shade	Slow grower; needs supplemental water during drought; great multi-season appeal with fall color, exfoliating bark
<i>Aesculus pavia</i> Red buckeye	Y	10-20'/10-30'	Sun/part-shade	Great red flowers attract hummingbirds; rounded, clump-forming tree; prefers moist, well-drained soil
<i>Cedrus atlantica</i> Atlas Cedar	N	40-60'/30-40'	Sun	Magnificent evergreen, frosty blue needles; drought tolerant, use as specimen tree
<i>Cedrus deodara</i> Deodar Cedar	N	40-70'/30-50'	Sun	Fluffy dense habit, silvery foliage; adaptable to dry conditions, protect from winds; fast grower; use in large areas as a specimen
<i>Cedrus libani</i> Cedar of Lebanon	N	40-60'/40-60'	Sun	Stately tree with thick massive trunk, dark green foliage; use as a specimen in large areas; not pollution tolerant
<i>Chamaecyparis pisifera</i> 'Boulevard' Boulevard false cypress	N	10-50'/8-10'	Sun	Silvery, blue-green foliage; fairly heat tolerant; may hold brown needles in interior
<i>Chamaecyparis pisifera</i> 'Filifera Aurea' Goldend threadleaf false cypress	N	15-20'/10-15'	Sun	Adaptable to heat in zone 7b; protect from winds; us sparingly
<i>Chionanthus virginicus</i> White Fringetree	Y	15-20'/12-15'	Sun/part-shade	Beautiful white fragrant flowers in spring, dark blue fruit in fall; great understory tree in woodland or buffer areas, or under power lines; moderate drought tolerance
<i>Cornus alternifolia</i> Pagoda Dogwood	Y	15-25'/10-20'	Sun/part-shade	Fibrous spreading roots, best for naturalizing in buffer areas, spreading habit with horizontal branches creates a layered look
<i>Cryptomeria japonica</i> Japanese cryptomeria	N	50-60'/20-30'	Sun/light shade	Protect from high winds; prefers moist, rich, deep soil; leaf blight may be a problem
<i>Daphne x burkwoodii</i> Burkwood daphne	N	3-4'/3-4'	Sun/light sun	Requires well-drained soil; "Carol Mackie" is nice variegated cultivar; flowers fragrant; somewhat particular
<i>Daphne odora</i> Fragrant or winter daphne	N	4-6'/4-6'	Shade/light sun	Many flower colors available through cultivars, fragrant; not as particular as other daphnes, but may be a bit temperamental
<i>Halesia tetraptera</i> Carolina silverbell	Y	30-40'/20-35'	Sun/part-shade	Prefers well-drained soils, high in organic matter; container stock preferred; use as specimen, shrub border in massing
<i>Hamamelis x intermedia</i> Hybrid witchhazel	N	Varies/varies	Sun/part-shade	Many unique cultivars with a variety of flower colors; prefers moist, well-drained soils with high organic matter
<i>Hamamelis virginiana</i> Witchhazel	Y	20-30'/20-25'	Sun/shade	Great for naturalizing, massing, as a specimen or under power lines
<i>Juniperus chinensis</i> Chinese Juniper	N	Varies/varies	Sun	Species varies considerably from low growing ground cover to large tree; check size of cultivar before planting; requires well-drained soil; once established tolerates dry soils
<i>Lagerstroemia indica</i> Crape myrtle	N	Varies based on cultivar	Sun	Adaptable species; prefers hot conditions; many cultivars suited to various sites
<i>Oxydendrum arboreum</i> Sourwood	Y	25-30'/15-20'	Sun/part-shade	White flowers in summer, excellent fall color, hard to transplant, drought tolerant
<i>Parrotia persica</i> Persian Parrotia	N	20-40'/15-30'	Sun/light shade	Excellent small tree with exfoliating bark and crimson flowers in early spring; tolerant of drought, heat, wind and cold; use as street tree, under power lines or as an accent plant

