



Recommended Tree Species Selections for Urban and Community Forest Sustainability



Recommended Tree Species List (12-21-2023) by Open Soil Surface Requirements*

Species Common Name	Genus & Species	Canopy Size	Minimum soil surface area (sq ft)	Minimum soil volume (cu ft)	Overstory Landscape Areas	Road Frontage Street	Road Frontage Yard	Parking Lot Trees Islands 400 to 600sq ft	Parking Lot Trees Islands 100 to 400 sq ft	Buffers	Riparian/ Drainage Areas	Utility Corridors	Urban Tolerant	Notes
Baldcypress	<i>Taxodium distichum</i>	Overstory	640	960	X						X		X	N
Basswood, American (Linden)	<i>Tilia americana</i>	Overstory	640	960	X						X		X	N
Beech, American	<i>Fagus grandifolia</i>	Overstory	640	960	X						X			N
Catalpa	<i>Catalpa speciosa</i>	Overstory	640	960	X					X	X		X	N
Chestnut, Chinese	<i>Castanea mollissima</i>	Overstory	640	960	X		X							
Elm, Winged	<i>Ulmus alata</i>	Overstory	640	960	X	X	X	X*						N
Ginkgo (male)	<i>Ginkgo biloba</i>	Overstory	640	960	X	X	X	X*						
Hickory (spp.)	<i>Carya spp.</i>	Overstory	640	960	X									N
Honeylocust (seedless)	<i>Gleditsia triacanthos</i>	Overstory	640	960	X									N
London Planetree	<i>Platanus x acerifolia</i>	Overstory	640	960	X	X	X	X*			X		X	
Magnolia, Southern	<i>Magnolia grandiflora</i>	Overstory	640	960	X					X	X			N
Oak, Black	<i>Quercus velutina</i>	Overstory	640	960	X	X	X							N
Oak, Chestnut	<i>Quercus prinus</i>	Overstory	640	960	X	X	X	X*						N
Oak, Laurel	<i>Quercus hemisphaerica</i>	Overstory	640	960	X	X	X	X*						N
Oak, Northern Red	<i>Quercus rubra</i>	Overstory	640	960	X	X	X							N
Oak, Nuttall	<i>Quercus nuttalli</i>	Overstory	640	960	X	X	X	X*						N
Oak, Overcup	<i>Quercus lyrata</i>	Overstory	640	960	X	X	X	X*						N

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Oak, Scarlet	<i>Quercus coccinea</i>	Overstory	640	960	X	X	X	X*						N
Oak, Shumard	<i>Quercus shumardii</i>	Overstory	640	960	X	X	X	X*						N
Oak, Swamp White	<i>Quercus bicolor</i>	Overstory	640	960	X	X	X	X*			X			
Oak, Water	<i>Quercus nigra</i>	Overstory	640	960	X	X	X							N
Oak, White	<i>Quercus alba</i>	Overstory	640	960	X	X	X	X*						N
Oak, Willow	<i>Quercus phellos</i>	Overstory	640	960	X	X	X	X*						N
Pecan	<i>Carya illinoensis</i>	Overstory	640	960	X	X	X							N
Planetree, London	<i>Platanus x acerifolia</i>	Overstory	640	960		X	X	X*						
Popular, Tulip	<i>Liriodendron tulipifera</i>	Overstory	640	960	X						X			N
Sweetgum (fruitless)	<i>Liquidambar styraciflua 'Rotundiloba'</i>	Overstory	640	960	X			X						N
Sycamore, American	<i>Platanus occidentalis</i>	Overstory	640	960	X									N
Tupelo, Swamp	<i>Nyssa ogeeche</i>	Overstory	640	960							X			
Walnut, Black	<i>Juglans nigra</i>	Overstory	640	960	X						X			N
Birch, River (std.)	<i>Betula nigra</i>	Midstory	400	600	X	X	X			X	X			N
Blackgum (Tupelo)	<i>Nyssa sylvatica</i>	Midstory	400	600	X	X	X	X			X		X	
Buckthorn, Carolina	<i>Rhamnus caroliniana</i>	Midstory	400	600	X	X	X		X		X			
Cedar, Deodar	<i>Cedrus deodara</i>	Midstory	400	600	X		X			X				

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Hemlock, Canadian	<i>Tsuga canadensis</i>	Midstory	400	600	X									
Hophornbeam, American	<i>Ostrya virginiana</i>	Midstory	400	600	X			X			X			N
Hornbeam, American	<i>Carpinus caroliniana</i>	Midstory	400	600	X		X	X	X		X			N
Hornbeam, European	<i>Carpinus betulus</i>	Midstory	400	600		X	X	X	X	X				
Ironwood, Persian	<i>Parrotia persica</i>	Midstory	400	600		X	X	X	X	X		X	X	
Katsura Tree	<i>Cercidiphyllum japonicum</i>	Midstory	400	600	X		X	X	X					
Locust, Black (seedless)	<i>Robinia pseudoacacia</i>	Midstory	400	600	X	X					X		X	N
Magnolia, Japanese (Saucer)	<i>Magnolia x soulangiana</i>	Midstory	400	600	X		X							
Magnolia, Southern "Little Gem"	<i>Magnolia grandiflora 'Little Gem'</i>	Midstory	400	600		X	X	X		X		X		N
Magnolia, Sweetbay	<i>Magnolia virginiana</i>	Midstory	400	600	X		X			X	X		X	N
Maple, Hedge	<i>Acer campestre</i>	Midstory	400	600	X	X	X	X			X			
Maple, Red (var.Florida Flame)	<i>Acer rubrum</i>	Midstory	400	600	X	X	X	X		X	X			N
Maple, Southern Sugar	<i>Acer barbatum</i>	Midstory	400	600	X	X	X	X	X	X	X			N
Maple, Trident	<i>Acer buergeranum</i>	Midstory	400	600		X	X	X	X	X		X	X	
Pine, Virginia	<i>Pinus virginiana</i>	Midstory	400	600						X				N
Pistache, Chinese	<i>Pistacia chinensis</i>	Midstory	400	600		X	X	X	X				X	
Redcedar, Eastern	<i>Juniperus virginiana</i>	Midstory	400	600	X		X			X				N
Redwood, Dawn	<i>Metasequoia glyptostroboides</i>	Midstory	400	600	X		X			X				
Sassafras	<i>Sassafras albidum</i>	Midstory	400	600	X		X							N

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Silverbell, Carolina	<i>Halesia carolina</i>	Midstory	400	600	X								X	N
Sourwood	<i>Oxydendrum arboreum</i>	Midstory	400	600	X		X						X	N
Yellowwood, American	<i>Cladrastis kentukea</i>	Midstory	400	600	X		X							
Chastetree (Vitex)	<i>Vitex agnus-castus</i>	Understory	250	375	X					X				
Crabapple, Japanese Flowering	<i>Malus floribunda</i>	Understory	250	375		X	X			X		X		
Cryptomeria	<i>Cryptomeria japonica</i>	Understory	250	375	X					X				
Dogwood, Flowering	<i>Cornus florida</i>	Understory	250	375	X		X			X		X		
Dogwood, Kousa	<i>Cornus kousa</i>	Understory	250	375		X	X	X	X	X		X	X	N
Flametree, Chinese (Bougainvillea)	<i>Chionanthus retusus</i>	Understory	250	375	X	X		X			X	X	X	
Fringetree (Grancy Gray Beard)	<i>Chionanthus virginicus</i>	Understory	250	375	X	X					X	X	X	
Hawthorn, Washington	<i>Crataegus phaenopyrum</i>	Understory	250	375		X	X		X			X		N
Maple, Japanese	<i>Acer palmatum</i>	Understory	250	375	X		X					X		
Plum, Purpleleaf	<i>Prunus cerasifera</i>	Understory	250	375						X		X		
Redbud, Eastern	<i>Cercis canadensis</i>	Understory	250	375	X	X	X	X		X		X		N
Serviceberry, Downey	<i>Amelanchier arborea</i>	Understory	250	375	X	X	X			X	X	X	X	
Alder, Hazel	<i>Alnus serrulata</i>	Small	100	150	X						X	X	X	N
Crapemyrtle, Common	<i>Lagerstroemia indica</i>	Small	100	150		X	X	X	X			X	X	
Holly, American	<i>Ilex opaca</i>	Small	100	150			X	X		X			X	N
Smoketree	<i>Cotinus obovatus</i>	Small	100	150			X					X		

Fruit Trees for Urban Plantings

Black Walnut	<i>Juglans nigra</i>	Overstory	640	960	X						X			N
Pecan	<i>Carya illinoensis</i>	Overstory	640	960	X		X							N
Persimmon, American	<i>Diospyros virginiana</i>	Overstory	640	960	X						X			N
Paw Paw	<i>Asimina triloba</i>	Midstory	400	600						X	X			N
Red Mulberry	<i>Morus rubra</i>	Midstory	400	600						X	X			N
Filbert Hazelnut, American	<i>Corylus americana</i>	Understory	250	375						X	X	X		N
Loquat	<i>Eriobotrya japonica</i>	Understory	250	375		X	X	X	X	X		X	X	
Mayhaw	<i>Crataegus aestivales</i>	Understory	250	375			X					X		N
Persimmon, Japanese	<i>Diospyros kaki</i>	Understory	250	375			X					X		
Plum, Chickasaw	<i>Prunus angustifolia</i>	Understory	250	375			X			X		X		N
Serviceberry	<i>Amelanchier arborea</i>	Understory	250	375		X	X	X	X	X		X	X	N
Fig	<i>Ficus carica</i>	Small	100	150		X	X	X	X	X		X	X	

Note (N) = native | *(OSSA) @ 1 sq.ft. Basal area | X* - only for large > 600 sq.ft. OSSA islands