

2017-2018 Recommended Street Tree Species List

San Francisco Urban Forestry Council

Approved ~~May 26, 2017~~ [date]

The Urban Forestry Council annually reviews and updates this list of trees; in collaboration with public and non-profit urban forestry stakeholders, including San Francisco's ~~Department of~~ Public Works ~~Bureau of~~ Urban Forestry ~~Division~~ and Friends of the Urban Forest.

~~It is important to carefully match the conditions of your site with the tree you choose. Please note that while~~ this list contains recommendations that are known to do well in many locations in San Francisco, no tree is perfect for every potential tree planting location. This list should be used as a guideline for choosing which street tree to ~~plant, but~~ plant but should not be used without the help of an arborist or other tree professional.

All street trees must be approved by Public Works before planting. The application form to plant a street tree can be found here: <http://sfpublicworks.org/plant-street-tree>~~http://sfdpw.org/index.aspx?page=644~~

Section 1: Tree species, varieties, and cultivars that do well in most locations in the San Francisco.*

Size	Evergreen/ Deciduous	Species	Notes
Small Less than 20' tall at maturity	Evergreen	<i>Arbutus x 'Marina'</i> [moved: list 2]	Fruit drop can range from low volume to significant. May be short lived; may need to be replanted in 20-25 years
		<i>Ceanothus 'Ray Hartman'</i> [moved: list 2]	Not good for narrow sidewalks
		<i>Cordyline australis</i> [moved: list 2]	Cabbage palm. Needs very large basin, take care when planting near natural areas
		<i>Laurus nobilis 'Saratoga'</i>	Uneven performer, prefers heat, needs some wind protection, susceptible to pests
	Deciduous	<i>Magnolia grandiflora 'Little Gem'</i>	
Medium 20-35' tall at maturity	Evergreen	<i>Prunus serrulata 'Kwanzan'</i> [removed; replaced P. subhirtella 'Autumnalis' list 3]	Prefers wind protection; prefers a larger planting basin.
		<i>Crataegus phaenopyrum</i>	Subject to pests, has thorns, may be susceptible to fireblight.
		<i>Agonis flexuosa</i> (green)	Standard green-leaf species only. 'After Dark' variety NOT recommended. Fast grower – more than 12" annually, requires extensive maintenance when young.
Medium 20-35' tall at maturity	Evergreen	<i>Callistemon viminalis</i>	Has sticky flowers
		<i>Eriobotrya deflexa</i> [repeat: list 2]	Needs wind protection, does not perform well in sandy soils, susceptible to fireblight
		<i>Magnolia grandiflora 'St. Mary,'</i>	
		<i>Melaleuca quinquenervia</i>	Grows fast, dense, irregular form, prefers wind protection
		<i>Olea europaea</i> (any fruitless variety)	Needs a very large basin, prefers wind protection
		<i>Podocarpus gracilior/ Afrocarpus falcatus</i>	Slow rooter.

		<i>Tristaniopsis laurina</i>	Standard species only. 'Elegant' variety NOT recommended. Formerly known as <i>Tristania laurina</i> , slow grower – less than 6” annually
Large More than 35' tall at maturity	Evergreen	<i>Lagunaria patersonii</i>	Grows well in windy areas
		<i>Lophostemon confertus</i>	Formerly <i>Tristania conferta</i> , fast grower
		<i>Magnolia grandiflora</i> 'Sam Sommers,' 'Majestic Beauty,' 'DD Blanchard'	
		<i>Pittosporum undulatum</i>	Can self-sow, take care when planting near natural areas
	Deciduous	<i>Ginkgo biloba</i> 'Autumn Gold,' 'Princeton Sentry,' 'Saratoga'	Slow grower, prefers wind protection
		<i>Platanus x acerifolia</i> 'Bloodgood'– 'Columbia' 'Yarwood'	Prefers wind protection, susceptible to anthracnose and powdery mildew
		<i>Ulmus parvifolia</i> 'Drake,' 'Sempervirens'	Fast grower, requires extensive pruning and maintenance

Section 2: Tree species, varieties, and cultivars that do well with certain special considerations; may not appropriate for planting broadly throughout the San Francisco.

Size	Evergreen/ Deciduous	Species	Notes
Small Less than 20' tall at maturity	Evergreen	Arbutus x 'Marina'	Fruit drop can range from low volume to significant. May be short lived; may need to be replanted in 20-25 years
		<i>Callistemon citrinus</i>	Grows low, and wide canopy and needs a wide sidewalk, sticky flowers
		Ceanothus Ray Hartman'	Not good for narrow sidewalks
		Cordyline australis	Cabbage tree. Needs very large basin, take care when planting near natural areas
		<i>Elaeocarpus decipiens</i>	Slow growing; keep out of strong/ prevailing wind, flowers and may not produce fruit at maturity here
		<i>Laurus nobilis</i> 'Saratoga' [repeat: list 1]	Uneven performer, prefers heat, wind protection, gets pests
		<i>Leptospermum laevigatum</i>	Poor rooter; may not root well in sandy soil.
		<i>Magnolia doltsopa</i>	Formerly <i>Michelia doltsopa</i> ; uneven performer, grafted trees grow very slowly, prefers heat, wind protection
		<i>Magnolia champaca</i> / M. x alba	Formerly <i>Michelia champaca</i> ; needs wind protection, wide sidewalk, gets powdery mildew and very slow grower
		<i>Pittosporum crassifolium</i> [removed]	Tolerates wind and fog. Can leak sap from trunk.
		<i>Pyrus kawakamii</i>	Plant in only warmest areas of city, semi-evergreen, leaf spot/fungus likely to occur and may cause premature leaf drop, does not flower well in our climate, susceptible to fireblight
		<i>Tristaniopsis laurina</i> 'Elegant' [removed]	Formerly known as <i>Tristania laurina</i> 'Elegant'; grows slowly, irregular form, mod-high maintenance
		Deciduous	<i>Acer buergerianum</i>

		<i>Crataegus phaenopyrum</i> [moved: list 1]	Subject to pests, has thorns, may be susceptible to fireblight
		<i>Prunus cerasifera</i> 'Krauter Vesuvius' [moved: list 3]	Wind protection, susceptible to shot hole fungus. Limit use to areas that have very small tree basins where other species could not fit.
Medium 20-35' tall at maturity	Evergreen	<i>Acacia baileyana</i> 'Purpurea' [moved: list 3]	Fast grower, high maintenance, short lived.
		<i>Agonis flexuosa</i> 'After Dark' [removed completely]	'After Dark' is a fast grower that requires extra tree care
		<i>Brahea edulus</i>	Palm tree. Very slow growing needs a large basin.
		<i>Eriobotrya deflexa</i>	Needs wind protection, does not perform well in sandy soils, susceptible to fireblight
		<i>Geijera parvifolia</i> [moved: large]	Prefers heat, wind protection
		<i>Jacaranda mimosifolia</i>	Uneven performer; prefers heat, wind protection, good drainage; <u>spring leaf drop</u>
		<i>Melaleuca linariifolia</i> (NEW)	
		<i>Melaleuca quinquenervia</i> [moved: list 1]	Grows fast, dense, irregular form, prefers wind protection
		<i>Melaleuca styphelioides</i> [moved: list 3]	Can root poorly, and prickly leaves
		<i>Metrosideros excelsus</i> [moved: large]	Needs a very large basin, and very wide sidewalks
		<i>Olea europaea</i> [moved: list 1]	Needs a very large basin, prefers wind protection
		<i>Phoenix dactylifera</i> 'Medjool' or 'Zahidi'	Palm tree. Needs a large basin and wide sidewalk
		<i>Pittosporum eugenioides</i> [removed completely]	
	<i>Podocarpus gracilior</i> [moved: list 1]	Slow rooter.	
	<i>Syagrus romanzoffiana</i>	Palm tree. Needs heat, wind protection	
	Deciduous	<i>Aesculus x carnea</i>	gets windburn easily in summer even in protected sites
		<i>Koelreuteria bipinnata</i> (NEW)	
<i>Koelreuteria paniculata</i>		Uneven performer, prefers heat, wind protection	
<i>Pistacia chinensis</i> 'Keith Davey' or standard		Prefers heat, wind protection	
<i>Pyrus calleryana</i> 'New Bradford' [removed completely]		Needs wind protection, susceptible to fireblight	
Large More than 35' tall at maturity	Evergreen	<i>Brahea edulus</i> [moved: medium]	Palm tree. Very slow growing in San Francisco, needs a large basin.
		<i>Corymbia ficifolia</i>	Needs a very large basin, wide sidewalk, drops large seed pods
		<i>Eucalyptus polyanthemos</i> [moved: list 3]	Needs a large basin, fast grower, high maintenance
		<i>Geijera parvifolia</i>	Prefers heat, wind protection
		<i>Hymenosporum flavum</i>	Uneven performer, prefers heat, wind protection, good drainage

		<i>Lyonothamnus floribundus asplenifolius</i>	Prefers heat, wind protection, prone to transplant shock, very susceptible to phytophthora
		<i>Metrosideros excelsa</i>	Needs a very large basin, and very wide sidewalks
		<i>Quercus suber</i>	Needs a large basin, wide sidewalk
		<i>Quercus tomentella</i>	Availability improving
		<i>Washingtonia robusta</i>	Palm tree. Prefers some warmth
	Deciduous	<i>Acer rubrum</i> 'Armstrong' [moved: list 3]	Prefers heat
		<i>Liquidambar styraciflua</i> [removed completely]	Needs a very large basin
		<i>Liriodendron tulipifera</i> [moved: list 3]	Uneven performer, susceptible to aphids followed by sooty mold.
		<i>Tilia cordata</i>	Susceptible to aphids followed by sooty mold.

Section 3: Tree species, varieties, and cultivars which are experimental or potentially problematic.

San Francisco does not have many of these species planted yet and would like to plant more of these trees to test how they do.

***Permission from the Bureau of Urban Forestry is required to plant any species below. Approval is will vary depending on the planting site.**

Size	Evergreen/ Deciduous	Species	Rank	Notes
Small - Less than 20' tall at maturity	Evergreen	<i>Butia odorata</i> [NEW]	Experimental	
		<i>Ceanothus arboreus</i> [NEW]	Experimental	
		<i>Ceanothus</i> 'Cliff Schmidt' [NEW]	Experimental	
		<i>Prunus lyonii</i>	Potentially problematic	Fruit drop may get messy
		<i>Eucalyptus conferruminata</i> / <i>Eucalyptus Lehmannilehmanni</i>	Experimental	Wide canopy – large space needed
	Deciduous	<i>Crataegus x lavallei</i>	Experimental	Appears to be less susceptible to fireblight and other pests than other <i>Crataegus</i>
		<i>Magnolia x soulangeana</i> 'Rustica Rubra' and other varieties [removed completely]	Experimental	Can be difficult to find stock in a standard form, hard training needed when young to maintain single trunk/standard form
		<i>Prunus subhirtella</i> 'Autumnalis' [NEW]		Tolerates mild winters better than other flowering cherry species
		<i>Prunus cerasifera</i> 'Krauter Vesuvius'	Potentially problematic	Wind protection, susceptible to shot hole fungus. Limit use to areas that have very small tree basins where other species could not fit.
	Medium	Evergreen	<i>Acacia baileyana</i>	Potentially

20-35' tall at maturity		Purpurea' and standard species	problematic	short lived.
		Agonis flexuosa 'Burgundy' [NEW]	Experimental	Better form and structure than other dark-leaf cultivars. Fast grower
		Archontophoenix cunninghamiana [NEW]	Experimental	Needs wind protection and irrigation
		Banksia integrifolia	Experimental	Requires extensive maintenance when young.
		Brahea clara [NEW]	Experimental	
		Brachychiton populneus	Experimental	Prefers heat and wind protection, needs a large basin <u>due to thick trunk</u>
		Cassia leptophylla	Experimental	Semi-evergreen, requires extensive maintenance when young.
		Cedrella fissilis	Experimental	
		-Ceiba speciosa	Experimental	Prefers heat, wind protection
		Howea forsteriana [NEW]	Experimental	
		Melaleuca ericifolia [NEW]	Experimental	
		Melaleuca squamophloia [NEW]	Experimental	
		Melaleuca styphelioides	Experimental	Can root poorly, and prickly leaves
		Parajubaea sunkha [NEW]	Experimental	Palm
		Pittosporum rhombifolium/ Auranticarpa rhombifolia	Experimental	Use in warmer parts of the City
		Quercus virginiana [moved: large]		
		Trachycarpus fortunei; T. f. 'Wagnerianus' [NEW]	Experimental	
		Cupaniopsis anacardioides	Potentially problematic	Uneven performer, needs heat, wind protection
		Aesculus hippocastanum	Experimental	
		Deciduous		
		Celtis sinensis	Potentially problematic	Prefers heat, wind protection, uneven performer, gets pests
		Corylus colurna, Turkish hazel	Experimental	
		Ceratonia siliqua [NEW]	Potentially problematic	Requires large basin and wide sidewalk
Large More than 35' tall at maturity	Evergreen			
		Brachychiton acerifolius [NEW]	Experimental	Semi-deciduous
		Corymbia maculate/ Eucalyptus maculata [NEW]	Experimental	
		Corymbia papuana/ Eucalyptus papuana [NEW]	Experimental	Prefers warmer climates; may develop lignotuber
		Eucalyptus nicolii [NEW]	Experimental	
		Eucalyptus polyanthemos	Potentially problematic	Needs a large basin, fast grower, high maintenance
		Parajubaea torallyi [NEW]	Experimental	Palm
		Quercus agrifolia	Experimental	Requires large sidewalk/basin and wind protection; likely unsuitable for most street tree locations.
	Quercus ilex	Experimental	Needs wind protection, sidewalk space, gets powdery mildew	

		<u>Quercus tomentella</u> [moved: list 2]		<u>Availability improving</u>
		<u>Quercus virginiana</u>	<u>Experimental</u>	
		<u>Quillaja saponaria</u>	<u>Experimental</u>	<u>Availability improving</u>
	Deciduous	<u>Acer x freemanii</u>	<u>Potentially problematic</u>	
		<u>Acer rubrum 'Armstrong'</u>	<u>Experimental</u>	<u>Prefers heat; high water needs</u>
		<u>Liriodendron tulipifera</u>	<u>Potentially problematic</u>	<u>Uneven performer, susceptible to aphids followed by sooty mold.</u>
		<u>Platanus x acerifolia 'Liberty'</u>	<u>Experimental</u>	<u>Prefers wind protection, susceptible to anthracnose and powdery mildew</u>
		<u>Platanus racemosa 'Roberts'</u> [NEW]	<u>Experimental</u>	
		<u>Quercus coccinea</u> [NEW]	<u>Experimental</u>	
		<u>Quercus frainetto 'Forest Green'</u>	<u>Experimental</u>	
		<u>Quercus phellos</u>	<u>Experimental</u>	
		<u>Tilia tomentosa</u> [NEW]	<u>Experimental</u>	
		<u>Ulmus parvifolia x carpinifolia 'Frontier'</u>	<u>Experimental</u>	
		<u>Ulmus propinqua 'Emerald Sunshine'</u>	<u>Experimental</u>	
		<u>Ulmus wilsoniana 'Prospector'</u>	<u>Experimental</u>	
		<u>Ulmus japonica x wilsoniana 'Accolade'</u>	<u>Experimental</u>	
		<u>Zelkova serrata</u>	<u>Experimental</u>	<u>Needs wide sidewalk</u>

*For more information about planting trees under and around power lines, visit the Right Tree, Right Place website: <http://www.pge.com/en/mybusiness/services/maint/vegman/customerresources/righttree/index.page>