



SAN RAFAEL
THE CITY WITH A MISSION

STREET TREE SPECIES
SPECIFICATION AND
PLANTING
RECOMMENDATIONS
January 2022

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Caring For Your New Tree

You want your tree to be its best. To grow larger. To live longer. To look better.

For that to happen, you need to care for it throughout the seasons. Water it during dry spells. Mulch in the spring. And, fertilize your tree when it lacks nutrients.

How much water does my new tree need?

Newly planted trees are under stress due to their new environment, so they'll need extra love and care! Proper watering is essential to bringing moisture and oxygen to your trees' roots.

During the first two weeks, deeply water young trees every day. Then, water a new tree once a week for the first two years, while it still has its leaves. There is no need to water during the winter when the tree is dormant. Be sure to take rainfall into account before watering, too.

Of course, during hot, dry periods, water more frequently. If the temperature is over 80°F, water twice a week. When the temperature reaches 90°F and above, the tree may benefit from receiving water three times a week.

Should I mulch my new tree?

Mulch is just what new trees need to retain moisture, control soil temperature and ward off weeds.

You want to avoid piling on *too* much mulch, though. Known as volcano mulching, this creates a cool, damp environment, which can attract fungi, pests and diseases. All of these factors stress out your new tree.

Organic mulch works best. Apply 2 to 4 inches of mulch around the tree's drip zone, which is as far as the tree's leaves grow out. Be sure to leave 1 to 2 inches from the tree trunk clear of mulch to provide proper air circulation.

When should I be fertilizing my newly planted tree?

Nutrients are generally lacking in our yard's soil. This is why newly planted trees should be fertilized with a general fertilizer at the time of planting.

From then on, a good time to fertilize trees in most Northern temperate climates is from fall to mid-spring. The fertilizer must also be placed underneath the roots of any competing plants such as grass or other ground cover. Spreading granular fertilizer on the lawn might make your grass greener, but it will likely not help your tree.

Key:										
Habit: Evergreen or Deciduous										
Height: Potential maximum height										
Fall Color: Leaf color										
Flower: Season of bloom - win(winter), sp(spring), su(summer), fl(fall) -- flower color										
Fragrant: flower, leaf or bark										
Soil: Clay, Loam or Sand										
RPD: Root Damage Potential										
Shape: Potential canopy form										
2' Planter size	Genus/species	Common Name	Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
	<i>Acer ginnala</i>	Amur Maple	D	25'	rd,gld,multi	sp-yellow	flower	C,L,S	low	oval,erect,spreading
	<i>Crataegus phaenopyrum</i>	Washington Thorn	D	25'	rd,orang,multi	sp,su-white		C,L,S	low	rounded/umbrella/vase
	<i>Lagerstroemia fauriei</i>	Crape Myrtle	D	30'	red,orange	su-white		C,L,S	low	vase
	<i>Metrosideros excelsa</i>	New Zealand X-mas	E	25'	N/A	sp,su-red		L,S	low	oval/erect/spreading
3' Planter size	Genus/species	Common Name	Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
	<i>Acer buergeranum</i>	Trident Maple	D	25'	red/gold	sp-yellow		C,L,S	low	oval/rounded
	<i>Carpinus betulus</i> 'Fastigiata'	European Hornbeam	D	35'	red/gold	sp-		C,L	low	conical/erect
	<i>Cercis canadensis</i>	Eastern Redbud	D	25'	gold	sp-pink/rose		C,L,S	low	rounded/umbrella
	<i>Chionanthus retusa</i>	Chinese Fringe Tree	D	20'	gold	su-white	flower	C,L	low	rounded/umbrella
	<i>Lagerstroemia x 'Muskogee'</i>	Crape Myrtle	D	25'	rd,gld,orange	su-lavender		C,L,S	low	rounded/umbrella/vase
	<i>Koelreuteria bipinnata</i>	Chinese Flame Tree	D	35'	bronze/gold	su,fl-yellow		C,L,S	low	rounded/umbrella/vase
	<i>Koelreuteria paniculata</i>	Goldenrain Tree	D	35'	bronze/gold	su-yellow		C,L,S	low	rounded/umbrella/vase
	<i>Malus</i>	Crabapple	D	25'	bronze/gold	sp-wht/rd/pink		C,L,S	low	oval/umbrella/vase
	<i>Pistachia chinensis</i>	Chinese Pistache	D	35'	rd/orng/multi	sp-		C,L,S	low	oval/rounded/umbrella
	<i>Prunus cerasifera</i>	Purple Leaf Plum	D	35'	purple	sp- white/pink	flower	C,L,S	low	oval/vase/spreading
	<i>Pyrus calleryana</i>	Flowering Pear	D	50'	rd/gold/purple	sp-white		C,L,S	mod	conical/oval/spreading
	<i>Styrax japonicus</i>	Japanese Snowdrop	D	25'	red/gold/multi	su-white	flower	L	low	rounded/umbrella/erect
4' Planter size	Genus/species	Common Name	Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
	<i>Acer rubrum</i>	Red Maple	D	50'	rd/orng/multi	sp-red		C,L,S	mod	conical/oval
	<i>Aesculus carnea</i>	Red Horsechestnut	D	35'	none	sp-red/rose	flower	C,L,S	low	rounded/umbrella
	<i>Arbutus 'Marina'</i>	Marina Madrone	E	35'	N/A	fl-pink to rose		C,L,S	low	rounded/umbrella/vase
	<i>Celtis australis</i>	European Hackberry	D	65'	gold	sp-		C,L,S	mod	oval/rounded/umbrella
	<i>Chitalpa tashkentensis</i>	Chitalpa	D	35'	gold	sp,su,fl-pink		L,S	low	umbrella/vase
	<i>Ginkgo biloba</i>	Ginkgo	D	65'	gold	sp-		C,L,S	mod	conical/erect/spreading
	<i>Jacaranda mimosifolia</i>	Jacaranda	D/PD	50'	lt. green	sp,su,fl-blue		L,S	low	oval/umbrella/vase
	<i>Lophostemon confertus</i>	Brisbane Box	E	50'	N/A	sp-white		C,L,S	mod	oval/erect/spreading
	<i>Magnolia 'St. Mary'</i>	St. Mary Magnolia	E	25'	N/A	sp,su,fl-white	flower	C,L,S	low	oval/erect/spreading
	<i>Nyssa sylvatica</i>	Tupelo	D	50'	rd/orng/multi	sp-		C,L,S	low	conical/erect/spread
	<i>Olea europaea 'Swan Hill'</i>	Swan Hill Olive	E	35'	N/A	sp-		C,L,S	mod	rounded/vase/spreading
	<i>Podocarpus gracillior</i>	Fern Pine	E	65'	N/A	sp-		C,L,S	low	oval/rounded/erect
	<i>Quercus coccinea</i>	Scarlet Oak	D	65'	rd/orng/multi	sp-		C,L	mod	oval/umbrella/spreading
	<i>Quercus palustris</i>	Pin Oak	D	65'	bronze/rd/gld	sp-		C,L,S	low	conical/mded/spreading
	<i>Tilia cordata</i>	Little-Leaf Linden	D	50'	gold	su- yel/white	flower	C,L,S	mod	conical/oval/umbrella
5' Planter size	Genus/species	Common Name	Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
	<i>Acer platanoides</i>	Norway Maple	D	65'	gold	sp-grm/yellow		C,L,S	high	rounded/erect/spreading
	<i>Acer saccharinum</i>	Silver Maple	D	65'	rd/gld/orange	sp-grm/yellow		C,L,S	mod	rounded/erect/spreading
	<i>Arctostaphylos manzanita</i>	Manzanita	E	12'	N/A	sp-white		C,L,S	low	rounde/spreading
	<i>Celtis occidentalis</i>	Common Hackberry	D	65'	gold	sp-grm/yellow		C,L,S	mod	rounded/umbrella
	<i>Cornus kousa</i>	Dogwood	D	30'	rd/prpl/scarlet	sp-white		C,L,S	low	vase/rounded
	<i>Eriobotrya deflexa</i>	Bronze Loquat	E	25'	N/A	sp-white	flowers	C,L,S	low	rounded/spreading
	<i>Fagus sylvatica</i>	European Beech	D	65'	bronze/none	sp-		C,L,S	mod	conical/erect/spreading
	<i>Feijoa sellowiana</i>	Pineapple Guava	E	20'	N/A	sp-pnk,wht,rd		C,L,S	low	rounded
	<i>Fraxinus americana</i>	Autumn Purple Ash	D	45'	reddish purple			C,L,S	high	rounded
6' Planter size	Genus/species	Common Name	Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
	<i>Aeculus californica</i>	California buckeye	D	40'	gold/orange	sp-white	flower	C,L,S	low	rounded/spreading
	<i>Magnolia grandiflora</i> 'Samuel Sommer'		E	50'	N/A	sp,su,fl-white	flower	C,L,S	mod	oval/erect/spreading
	<i>Platanus acerifolia</i>	London Plane Tree	D	65'	bronze/gold	sp,win-		C,L,S	high	oval/umbrella/spreading
	<i>Quercus agrifolia</i>	Coast Live Oak	E	50'	N/A			C,L,S	mod	rounded/dense
	<i>Quercus robar</i> 'Fastigiata'	Upright English Oak	D	65'	bronze/none	sp-		L,S	mod	columnar/conical/erect
	<i>Quercus rubra</i>	Red Oak	D	65'	rd/orng/multi	sp-		C,L,S	mod	oval/umbrella/erect
	<i>Quercus suber</i>	Cork Oak	E	65'	N/A	sp-		C,L,S	mod	oval/umbrella/erect
	<i>Ulmus x 'Accolade'</i>	Accolade Elm	D	>65'	gold	win-red/brown		C,L,S	high	rounded/umbrella/vase
	<i>Ulmus wilsoniana</i> 'Prospector'	Prospector Elm	D	40'	gold	win-red/brown		C,L,S	high	rounded/umbrella/vase
	<i>Ulmus parvifolia</i>	Chinese elm	E/PD	65'	bronze/gold	su,fall-		C,L,S	mod	oval/umbrella/spreading
	<i>Zelkova serrata</i>	Sawleaf Zelkova	D	65'	bronze/rd/gld	sp-		C,L,S	mod	umbrella/spreading



Table Key

Habit: Evergreen or Deciduous

Height: Potential maximum height

Fall Color: Leaf color

Flower: Season of bloom – win (winter), sp (spring), su (summer), fl (fall) -- flower color

Fragrant: flower, leaf or bark

Soil: Clay, Loam or Sand

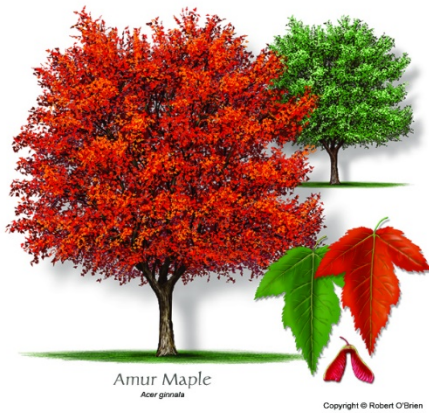
RPD: Root Damage Potential

Shape: Potential canopy form

2' Planter Size

Genus/species: *Acer ginnala*
Maple

Common Name: Amur



Habit	Height	Fall color	Flower	Fragrant	Soil	RPD	Shape
D	25'	Red, gold, multi	Sp - yellow	Flower	C,L,S	low	Oval, erect, spreading

Genus/species: *Crataegus phaenopyrum*
Washington Thorn

Common Name:



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	25'	Red, orange, multi	Sp, su - yellow		C,L,S	low	Rounded, umbrella, vase

Genus/species: *Lagerstroemia fauriei*

Common Name: Crape Myrtle



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	25'	Red, gold	Sp - yellow		C,L,S	low	Oval, rounded

Genus/species: *Metrosideros excelsus*
 Christmas Tree

Common Name: New Zealand Christmas Tree

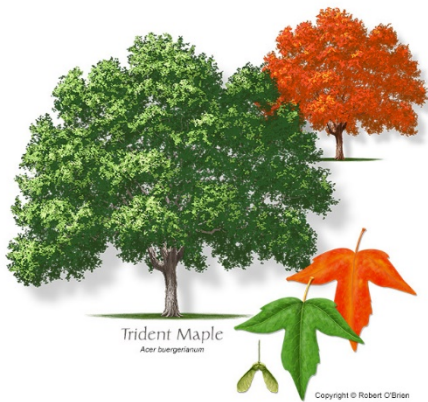


Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	25'	N/A	Sp, su - red		L,S	low	Oval, erect, spreading

3' Planter Size

Genus/species: *Acer buergerianum*
 maple

Common Name: Trident



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	25'	Red, gold	Sp - yellow		C,L,S	low	Oval, rounded

Genus/species: *Carpinus betulus* 'Fastigiata'
Hornbeam

Common Name: European



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	35'	Red, gold	Sp -		C,L,	low	Conical, erect

Genus/species: *Cercis canadensis*
Redbud

Common Name: Eastern



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	25'	Gold	Sp - pink, rose		C,L,S	low	Rounded, umbrella

Genus/species: *Chionanthus retusa*
 Chinese Fringe Tree

Common Name:



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	20'	Gold	Su - white	Flower	C,L,	low	Rounded, umbrella

Genus/species: *Lagerstroemia x 'Muskogee'*

Common Name: Crape Myrtle



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	25'	Red, gold, orange	Su - lavender		C,L,S	low	Rounded, umbrella, vase

Genus/species: *Koelreuteria bipinnata*
Flame Tree

Common Name: Chinese



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	35'	Bronze, gold	Su, fl - yellow		C,L,S	low	Rounded, umbrella, vase

Genus/species: *Koelreuteria paniculata*
Goldenrain Tree

Common Name:



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	35'	Bronze, gold	Su, fl – yellow		C,L,S	low	Rounded, umbrella, vase



Genus/species: *Malus floribunda*
Crabapple

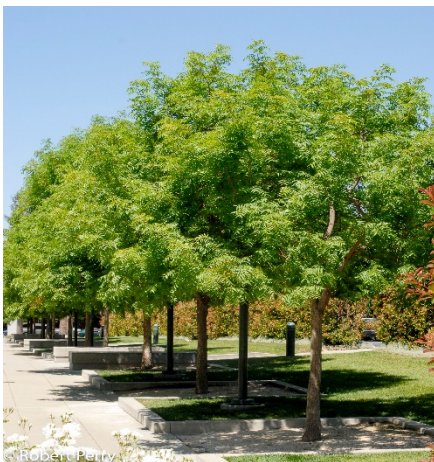
Common Name: Japanese Flowering



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	25'	Bronze, gold	Sp – white, red, pink		C,L,S	low	Oval, umbrella, vase

Genus/species: *Pistachia chinensis*
Chinese Pistache

Common Name:

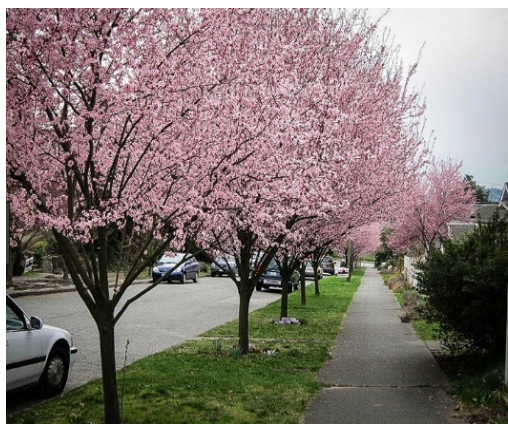


Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
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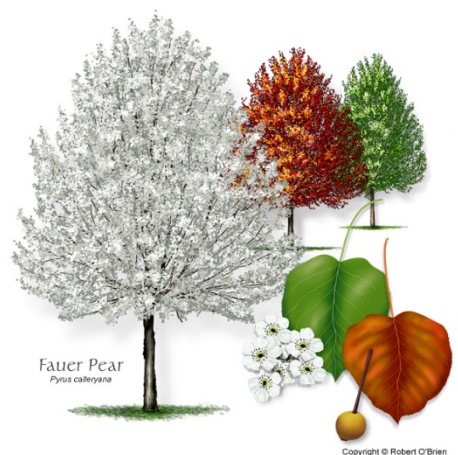
D	35'	Red, orange, multi	Sp –	C,L,S	low	Oval, rounded, umbrella
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Genus/species: *Prunus cerasifera* Common Name: Purple Leaf Plum



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	35'	Purple	Sp – white, pink	flower	C,L,S	low	Oval, vase, spreading

Genus/species: *Pyrus calleryana* Common Name: Flowering Pear



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	50'	Red, gold, purple	Sp - white		C,L,S	mod	Conical, oval, spreading

Genus/species: *Styrax japonicus*
Japanese Snowdrop

Common Name:



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	25'	Red, gold, multi	Su-white	flower	L	low	Rounded, umbrella, erect

4' Planter Size

Genus/species: *Acer rubrum*
Maple

Common Name: Red



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	50'	Red, orange, multi	Sp - red		C,L,S	mod	Conical, oval



Genus/species: *Aesculus carnea*
Horsechestnut

Common Name: Red



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	35'	N/A	Fl – pink, rose		C,L,S	Low	Rounded, umbrella, vase

Genus/species: *Arbutus 'Marina'*
Madrone

Common Name: Marina



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	35'	N/A	Fl – pink, rose		C,L,S	Low	Rounded, umbrella, vase

Genus/species: *Celtis australis*
Hackberry

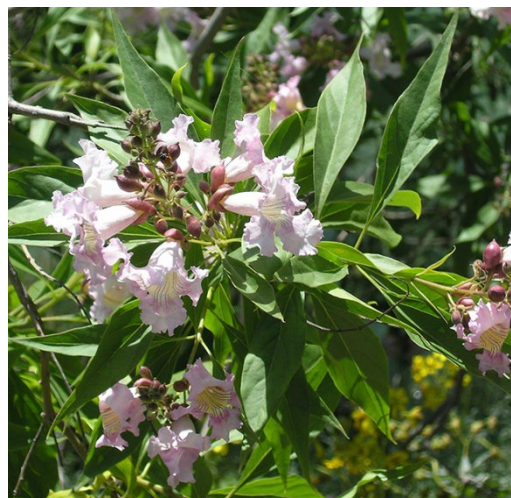
Common Name: European



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Gold	Sp -		C,L,S	Mod	Oval, rounded, umbrella

Genus/species: *Chitalpa tashkentensis*
Chitalpa

Common Name:



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	35'	Gold	Sp, su, fl - pink	flower	L,S	low	Umbrella, vase

Genus/species: *Ginkgo biloba*

Common Name: Ginkgo



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Gold	Sp -	flower	C,L,S	mod	Conical, erect, spreading

Genus/species: *Jacaranda mimosifolia*
Jacaranda

Common Name:



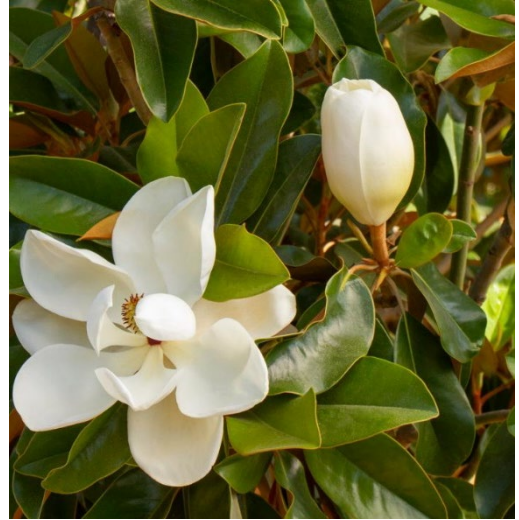
Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D,PD	50'	Lt. green	Sp, su, fl - blue		L,S	low	Oval, umbrella, vase

Genus/species: *Lophostemon confertus* Common Name: Brisbane Box



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	50'	N/A	Sp - white		C,L,S	Mod	Oval, erect, spreading

Genus/species: *Magnolia grandifolia* 'St. Mary' Common Name: St. Mary Magnolia



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	25'	N/A	Sp, su, fl - white	flower	C,L,S	low	Oval, erect, spreading

Genus/species: *Nyssa sylvatica*

Common Name: Tupelo



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	50'	Red, orange, multi	Sp-		C,L,S	low	Conical, erect, spread

Genus/species: *Olea europaea* 'Swan Hill'
Hill Olive

Common Name: Swan Hill Olive



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	35'	N/A	Sp-		C,L,S	mod	Rounded, vase, spreading

Genus/species: *Podocarpus gracilior*
Pine

Common Name: Fern Pine



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	65'	N/A	Sp-		C,L,S	low	Oval, rounded, erect

Genus/species: *Quercus coccinea*
Oak

Common Name: Scarlet



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Red, orange, multi	Sp-		C,L	Mod	Oval, umbrella, spreading

Genus/species: *Quercus palustris*
Pin Oak

Common Name:



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Bronze, red, gold	Sp-		C,L,S	low	Conical, rounded, spreading

Genus/species: *Tilia cordata*
leaf Linden

Common Name: Little-
leaf Linden



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	50'	Gold	Su - yellow, white	flower	C,L,S	mod	Conical, oval, umbrella

5' Planter Size

Genus/species: *Acer saccharinum*
Maple

Common Name: Silver
Maple



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Red, gold, orange	Sp - green, yellow		C,L,S	mod	Rounded, erect, spreading

Genus/species: *Arctostaphylos manzanita*
 Manzanita

Common Name:



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	12'	N/A	Sp - white		C,L,S	low	Conical, rounded, spreading

Genus/species: *Celtis occidentalis*
 Hackberry

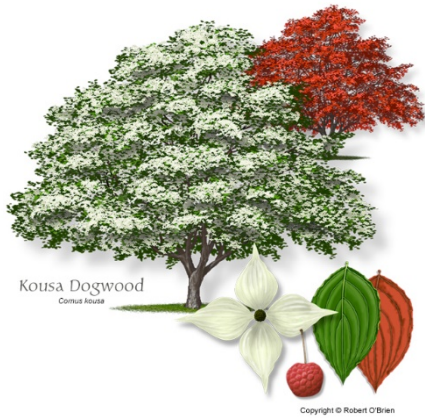
Common Name: Common



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Gold	Sp - green, yellow		C,L,S	mod	Rounded, umbrella

Genus/species: *Cornus kousa*

Common Name: Dogwood



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	30'	Red, purple, scarlet	Sp - white		C,L,S	low	Vase, rounded

Genus/species: *Eriobotrya deflexa*
Loquat

Common Name: Bronze Loquat



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	25'	N/A	Sp - white	flowers	C,L,S	low	Rounded, spreading

Genus/species: *Fagus sylvatica*

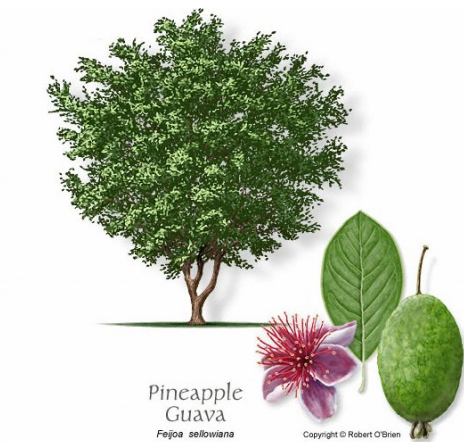
Common Name: European Beech



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Bronze, none	Sp-		C,L,S	mod	Conical, erect, spreading

Genus/species: *Feijoa sellowiana*
Guava

Common Name: Pineapple



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	20'	N/A	Sp - pink, white, red		C,L,S	Low	Rounded

Genus/species: *Fraxinus americana*
Purple Ash

Common Name: Autumn



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	45'	Reddish purple			C,L,S	High	Rounded

6' Planter Size

Genus/species: *Aeculus californica*
California Buckeye

Common Name:



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	40'	Gold, orange	Sp - white	flower	C,L,S	Low	Rounded, spreading

Genus/species: *Magnolia grandiflora* 'Samuel Sommer' Common Name: Samuel Magnolia



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	50'	N/A	Sp, su, fl – white	flower	C,L,S	Mod	Oval, erect, spreading

Genus/species: *Platanus x acerifolia* 'Bloodgood' Common Name: Bloodgood planetree



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Bronze, gold	Sp, win -		C,L,S	High	Oval, umbrella, spreading

Genus/species: *Quercus agrifolia*
Live Oak

Common Name: Coast



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	50'	N/A			C,L,S	Mod	Rounded, dense

Genus/species: *Quercus robur* 'Fastigiata'
English Oak

Common Name: Upright



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Bronze, none	Sp -		L,S	Mod	Columnnar, conical, erect

Genus/species: *Quercus rubra*
Oak

Common Name: Red



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Red, orange, multi	Sp -		C,L,S	Mod	Oval, umbrella, erect

Genus/species: *Quercus suber*
Oak

Common Name: Cork



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E	65'	N/A	Sp -		C,L,S	Mod	Oval, umbrella, erect

Genus/species: *Ulmus wilsoniana* 'Prospector'
Prospector Elm

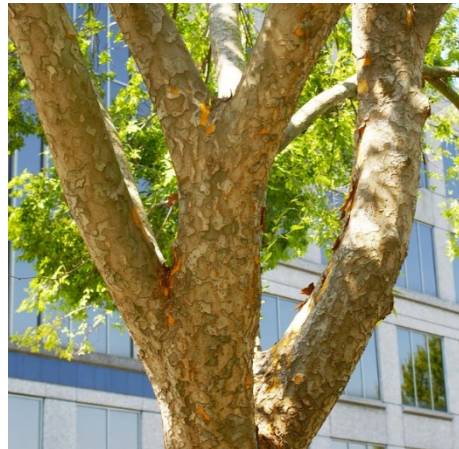
Common Name:



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape

D 40' Gold Win – red, brown C,L,S High Rounded, umbrella, vase

Genus/species: *Ulmus parvifolia* Common Name:
 Chinese Elm



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
E/PD	65'	Bronze, gold	Su, fl -		C,L,S	Mod	Oval, umbrella, spreading

Genus/species: *Zelkova serrata* Common Name: Sawleaf
 Zelkova



Habit	Height	Fall color	Flower	Fragrant	Soil	RDP	Shape
D	65'	Bronze, red, gold	Sp -		C,L,S	Mod	Umbrella, spreading

