



**SAN RAFAEL**  
THE CITY WITH A MISSION

## **CITY APPROVED STREET TREES**

November 2019

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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. Newly planted trees should have a watering ring of soil mounded around the tree to help keep water in the root zone.

During the first two weeks, deeply water young trees every day by allowing the water to seep down to the root zone. This will take longer in heavier clay soils than in sand or loam-based soils. 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. Also, be sure to water gently and not forcefully spray the root ball and expose the new roots.

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 would benefit from receiving water three or more 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 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.

## Table of City Approved Street Trees

STREET TREES SPECIES TABLE KEY										
<b>Habitat:</b> Evergreen or Deciduous	<b>Height:</b> Potential maximum height			<b>Fall Color:</b> leaf color			<b>Flower:</b> season of bloom — win (winter), sp (spring), su (summer), f (fall)			
<b>Fragrant:</b> flower, leaf, or bark	<b>Soil:</b> Clay, Loam, or Sand			<b>RPD:</b> root damage potential						
<b>Shape:</b> Potential canopy form										
<b>2' Planter</b>	<b>Genus/species</b>	<b>Common Name</b>	<b>Habit</b>	<b>Height</b>	<b>Fall color</b>	<b>Flower</b>	<b>Fragrant</b>	<b>Soil</b>	<b>RDP</b>	<b>Shape</b>
	<i>Acer davadii</i>	David's Maple	D	35'	rd,gld,purpl	sp-grn/yellow		C,L	low	oval/rounded
	<i>Acer ginnala</i>	Amur Maple	D	25'	rd,gld,multi	sp-yellow	flower	C,L,S	low	oval,erect,spreading
	<i>Lagerstroemia fauriei</i>	Crape Myrtle	D	30'	none	su-white		C,L,S	low	vase
<b>3' Planter</b>	<b>Genus/species</b>	<b>Common Name</b>	<b>Habit</b>	<b>Height</b>	<b>Fall color</b>	<b>Flower</b>	<b>Fragrant</b>	<b>Soil</b>	<b>RDP</b>	<b>Shape</b>
	<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>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>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
<b>4' Planter</b>	<b>Genus/species</b>	<b>Common Name</b>	<b>Habit</b>	<b>Height</b>	<b>Fall color</b>	<b>Flower</b>	<b>Fragrant</b>	<b>Soil</b>	<b>RDP</b>	<b>Shape</b>
	<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</i> 'Marina'	Marina Madrone	E	35'	green	fl-pink to rose		C,L,S	low	rounded/umbrella/vase
	<i>Chitalpa tashkentensis</i>	Chitalpa	D	35'	gold	sp,su.fl-pink		L,S	low	umbrella/vase
	<i>Jacaranda mimosifolia</i>	Jacaranda	D/PD	50'	lt. green	sp,su,fl-blue		L,S	low	oval/umbrella/vase
	<i>Nyssa sylvatica</i>	Tupelo	D	50'	rd/orng/multi	sp-		C,L,S	low	conical/erect/spread
	<i>Podocarpus gracilior</i>	Fern Pine	E	65'	gray green	sp-		C,L,S	low	oval/rounded/erect
	<i>Quercus palustris</i>	Pin Oak	D	65'	bronze/rd/gld	sp-		C,L,S	low	conical/rounded/spreading
	<i>Tilia cordata</i>	Little-Leaf Linden	D	50'	gold	su- yel/white	flower	C,L,S	mod	conical/oval/umbrella
	<i>Plantanus x acerifolia</i>	London Plane Tree	D	70'	grn/bronze/gld	sp-win		C,L,S	high	oval/rounded/umbrella
<b>5' Planter</b>	<b>Genus/species</b>	<b>Common Name</b>	<b>Habit</b>	<b>Height</b>	<b>Fall color</b>	<b>Flower</b>	<b>Fragrant</b>	<b>Soil</b>	<b>RDP</b>	<b>Shape</b>
	<i>Acer saccharinum</i>	Silver Maple	D	65'	rd/gld/orange	sp-grn/yellow		C,L,S	mod	rounded/erect/spreading
	<i>Fagus sylvatica</i>	European Beech	D	65'	bronze/none	sp-		C,L,S	mod	conical/erect/spreading
<b>6' Planter</b>	<b>Genus/species</b>	<b>Common Name</b>	<b>Habit</b>	<b>Height</b>	<b>Fall color</b>	<b>Flower</b>	<b>Fragrant</b>	<b>Soil</b>	<b>RDP</b>	<b>Shape</b>
	<i>Quercus robur</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'	drk. green	sp-		C,L,S	mod	oval/umbrella/erect
	<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

<b>Habit:</b> Evergreen or Deciduous
<b>Height:</b> Potential maximum height
<b>Fall Color:</b> Leaf color
<b>Flower:</b> Season of bloom – win (winter), sp (spring), su (summer), fl (fall) -- flower color
<b>Fragrance:</b> flower, leaf or bark
<b>Soil:</b> Clay, Loam or Sand
<b>RPD:</b> Root Damage Potential
<b>Shape:</b> Potential canopy form

## 2' Planter Size

Genus/species: *Acer davadii*

Common Name: David's Maple



Habit	Height	Fall color	Flower	Fragrance	Soil	RPD	Shape
D	35'	rd,gld,purpl	sp-grn/yellow		C,L	low	oval/rounded

Genus/species: *Acer ginnala*

Common Name: Amur Maple



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	25'	rd,gld,multi	sp-yellow	flower	C,L,S	low	oval,erect,spreading

Genus/species: *Lagerstroemia fauriei*

Common Name: Crape Myrtle



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	30'	none	su-white		C,L,S	low	vase

### 3' Planter Size

Genus/species: *Acer buergeranum* Common Name: Trident Maple



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
<b>D</b>	25'	red/gold	sp-yellow		C,L,S	low	oval/rounded

Genus/species: *Carpinus betulus 'Fastigiata'* Common Name: European Hornbeam



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
<b>D</b>	35'	red/gold	sp-		C,L	low	conical/erect

Genus/species: *Cercis canadensis*

Common Name: Eastern Redbud



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	25'	gold	sp-pink/rose		C,L,S	low	rounded/umbrella

Genus/species: *Lagerstroemia x 'Muskogee'*

Common Name: Crape Myrtle



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	25'	rd,gld,orange	su-lavender		C,L,S	low	rounded/umbrella/vase



Genus/species: *Koelreuteria bipinnata*

Common Name: Chinese Flame Tree



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	35'	bronze/gold	su,fl-yellow		C,L,S	low	rounded/umbrella/vase

Genus/species: *Pistachia chinensis*

Common Name: Chinese Pistache



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	35'	rd/orng/multi	sp-		C,L,S	low	oval/rounded/umbrella

Genus/species: *Prunus cerasifera*

Common Name: Purple Leaf Plum



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
<b>D</b>	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	Fragrance	Soil	RDP	Shape
<b>D</b>	50'	rd/gold/purple	sp-white		C,L,S	mod	conical/oval/spreading

## 4' Planter Size

Genus/species: *Acer rubrum*

Common Name: Red Maple



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	50'	rd/orng/multi	sp-red		C,L,S	mod	conical/oval

Genus/species: *Aesculus carnea*

Common Name: Red Horsechestnut



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	35'	none	sp-red/rose	flower	C,L,S	low	rounded/umbrella

Genus/species: *Arbutus 'Marina'*

Common Name: Marina Madrone



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
E	35'	green	fl-pink to rose		C,L,S	low	rounded/umbrella/vase

Genus/species: *Chitalpa tashkentensis*

Common Name: Chitalpa



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	35'	gold	sp,su.fl-pink		L,S	low	umbrella/vase

Genus/species: *Jacaranda mimosifolia*

Common Name: Jacaranda



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	50'	rd/orng/multi	sp-		C,L,S	low	conical/erect/spread

Genus/species: *Nyssa sylvatica*

Common Name: Tupelo



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	50'	rd/orng/multi	sp-		C,L,S	low	conical/erect/spread

Genus/species: *Podocarpus gracilior*

Common Name: Fern Pine



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
E	65'	gray green	sp-		C,L,S	low	oval/rounded/erect

Genus/species: *Quercus palustris*

Common Name: Pin Oak



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	65'	bronze/rd/gld	sp-		C,L,S	low	conical/rnded/spreading

Genus/species: *Tilia cordata*

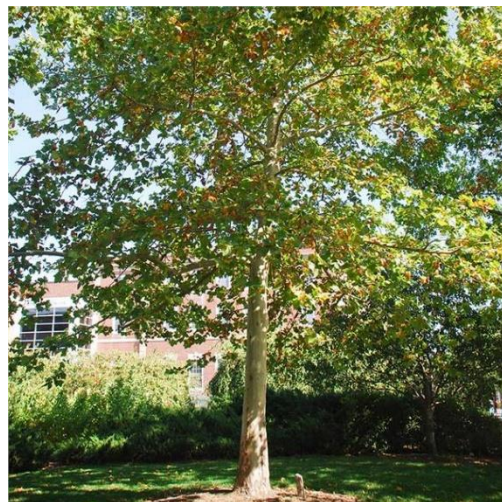
Common Name: Little-Leaf Linden



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	50'	gold	su- yel/white	flower	C,L,S	mod	conical/oval/umbrella

Genus/species: *Platanus x acerifolia*

Common Name: London Plane Tree



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	70'	Med green/ bronze/gld	sp-win		C,L,S	high	oval/rounded/umbrella

\*\*\* Planting of London Plane Tree will be approved under the following two conditions:

1. The planter is 4' X 6' or larger
2. A root barrier is installed

## 5' Planter Size

Genus/species: *Acer saccharinum*

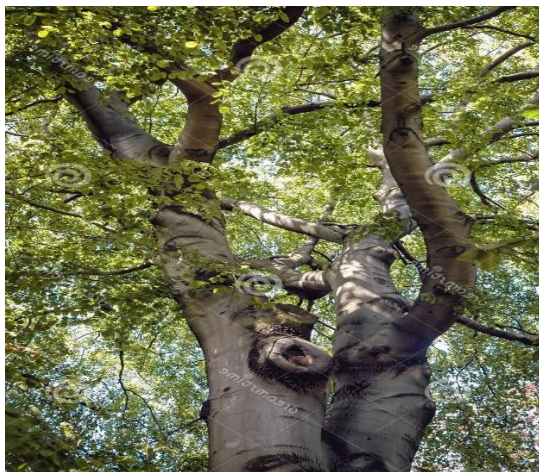
Common Name: Silver Maple



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
<b>D</b>	65'	rd/gld/orange	sp-grn/ yellow		C,L,S	mod	rounded/erect/spreading

Genus/species: *Fagus sylvatica*

Common Name: European Beech



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
<b>D</b>	65'	bronze/none	sp-		C,L,S	mod	conical/erect/spreading



## 6' Planter Size

Genus/species: *Quercus robur* 'Fastigiata'

Common Name: Upright English Oak



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	65'	bronze/none	sp-		L,S	mod	columnar/conical/erect

Genus/species: *Quercus rubra*

Common Name: Red Oak



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
D	65'	rd/orng/multi	sp-		C,L,S	mod	oval/umbrella/erect

Genus/species: *Ulmus parvifolia*

Common Name: Chinese Elm



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
<b>D</b>	65'	bronze/rd/gld	sp-		C,L,S	mod	umbrella/spreading

Genus/species: *Zelkova serrata*

Common Name: Sawleaf Zelkova



Habit	Height	Fall color	Flower	Fragrance	Soil	RDP	Shape
<b>D</b>	65'	bronze/rd/gld	sp-		C,L,S	mod	umbrella/spreading