

TREE NAME	CULTIVAR/VARIETY RECOMMENDATIONS	Mature Height (ft)	Spread (ft)	Type	Soil (Clay or Loam)	BVOC (L,M,H)	COMMENTS
<b>Small Trees 15-25' Height - Minimum Recommended Planter Width 4'</b>							
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<i>Acer buergeranum</i> Trident Maple	NA	20	20	D	C/L	L	Compact crown, interesting bark pattern, yellow to gold fall color
<i>Acer ginnala</i> Amur Maple	Flame	20	20	D	C/L	L	Good fall color, provide good drainage
<i>Cercis canadensis</i> Eastern Redbud	Forest Pansy	15-20	20	D	C/L		Reddish-pink flowers along zig-zag twigs in very early spring, burgundy foliage
<i>Chionanthus retusus</i> Chinese Fringe Tree	NA	15-20	20	D	L	L	Excellent display of spring flowers at branch ends, small blue-purple fruit, tolerant of many soil conditions
<i>Crataegus laevigata</i> <i>Crimson Cloud</i> Crimson Cloud Hawthorne	<b>Crimson Cloud*</b>	25	18	D	C/L	L	Flowers red with white centers, disease resistant. This is the only small hawthorne
<i>Lagerstroemia indica</i> or x <i>L. faurei</i> Crape Myrtle (Single Trunk)	Dynamite, Natchez, Tuscarora, Watermelon Red	15-20	20	D	C/L		Select <b>single trunk form</b> . For best form prune to shape and do not prune branch tips back in winter.
<i>Magnolia grandiflora</i> <i>Dwarf</i> Dwarf Southern Magnolia	<b>Glen St. Mary*</b>	25	15-12	E	L	L	Dense crown, slightly larger than "Little Gem".
<i>Malus sp.</i> Flowering Crabapple	NA	20	15	D	L	L	Pink flowers, 1/4 red fruit persistent. Cutleaf, purple leaves. <b>Select EMLA 111 or Right Root™</b> rootstock to prevent suckering.
<i>Prunus sp.</i> Flowering Cherry	Akebono or Kwanzan	20	20	D	L	L	Fruitless. Protect young trees from sunburn on trunks
<i>Prunus</i> "Okame" Okame Cherry	<b>Okame*</b>	25	20	D	L	L	Upright, oval shape, profuse pink blossoms. Tolerates hot climates
<i>Prunus sp.</i> Flowering Plum	Crimson Pointe or Krauter Vesuvius*	15-20	10-15	D	C/L	L	Little or no fruit. Trees are often branched low. Ask for high branched. Use <b>Crimson Pointe</b> for a more narrow form.
<i>Syringa reticulata</i> <i>Japanese Lilac</i>	Ivory Silk	20	15	D	C/L	L	Creamy white flowers in early summer
<i>Tilia cordata</i> Littleleaf Linden	<b>Summer Sprite*</b>	20	15	D	C/L		Yellow-gold fall color, maintain lower foliage to protect truck from sunburn
<i>Vitex agnus-castus</i> Chaste Tree	NA	15-20	15-20	D	L		Select <b>single trunk</b> form. Interesting angular form, attracts butterflies, showy flowers, fragrant foliage
<i>Zelkova serrata</i> Japanese Elm	<b>City Sprite*</b>	15-20	12-15	D	C/L	L	A compact, fine textured form of common Japanese elm

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<b>Medium Tree 25-35' Height - Minimum Recommended Planter Width 6'</b>							
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<i>Acer rubrum</i> Autumn Flame Maple	<b>Autumn Flame*</b>	35	30	D	L	L	Dense, round crown, good fall color, tolerant of heat
<i>Acer truncatum</i> Shantung maple	Norwegian Sunset or Pacific Sunset	30	25	D	C/L	L	Yellow-red fall color, rounded crown shape
<i>Aesculus x carnea</i> Red Horsechestnut	<b>Briotii*</b>	25-35	25-35	D	C/L		Showy red bloom in spring
<i>Arbutus marina</i> Strawberry Tree	Marina	30-35	30	E	C/L	L	Attractive exfoliating bark, good screening tree
<i>Carpinus betulus'Fastigiata</i> European hornbeam	Pyramidal hornbeam	30-35	25	D	C/L	L	Formal appearance, dense foliage, heat tolerant
<i>Koelreuteria paniculata</i> Goldenrain Tree	Summerburst	30	30	D	C/L	H	Fragrant yellow flowers tinged with pink, heat and drought tolerant
<i>Laurus nobilis</i>	Bay Laurel	30	30	E	C/L	L	Dark green foliage, fragrant foliage used in cooking, good screen
<i>Magnolia liliflora x sprengeri</i> Sprenger Magnolia	<b>Galaxy*</b>	25	20	D	C/L	L	Red-purple flower, upright single trunk, oval crown, tolerates wide range of conditions
<i>Nyssa sylvatica</i> Black Tupelo	Afterburner	30	20	D	C/L		Strong central leader and more heat tolerant than <i>N. sylvatica</i> . later fall color than most tupelo
<i>Pistacia chinensis</i> Chinese Pistache	<b>Keith Davey* or Pearl Street*</b>	30	30	D	C/L	L	Select seedless cultivars to avoid litter from fruit. <b>Pearl Street</b> is more upright and faster growing. Excellent fall color, heat and drought tolerant
<i>Prunus sargentii</i> Sargent Flowering Cherry	NA	30	30	D	L	L	Larger vase shaped crown, single pink flowers provide a spring show, maintain a healthy full canopy to protect trunk from sunburn
<i>Tilia americana</i> American Linden	Lincoln or Redmond	30-35	25	D	C/L		<b>Lincoln</b> is slightly more compact and darker green than <b>Redmond</b>
<i>Ulmus parvifolia 'Emer l'</i> Athena Classic Elm	<b>Athena*</b>	30	35	D	C/L	L	Compact, dense crown, glossy green foliage turns yellow to gold in autumn
<i>Ulmus propinqua</i> Chalkbark Elm	<b>Emerald Sunshine Elm*</b>	30-35	25	D	C/L	L	Excellent medium size tree for shade and street tree use, vase shape, disease and elm leaf beetle resistant, heat tolerant and fast growing

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<b>Medium to Large Tree 36-50' Height - Minimum Recommended Planter Width 8'</b>							
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<i>Acer rubrum</i> Red Maple	<b>October Glory*</b>	40	35	D	L	L	Good red to purple fall color, broadly oval crown, heat resistant
<i>Acer rubrum</i> Red Maple	<b>Redpointe*</b>	45	30	D	L	L	Great fall color, strong branch angles, heat tolerant
<i>Celtis occidentalis</i> Common Hackberry	NA	45	35	D	C/L	L	Tough, rugged yet attractive tree, tolerates more difficult soils, yellow fall color
<i>Fraxinus americana</i> American Ash	<b>Autumn Purple*</b>	45	40	D	C/L	L	Rounded crown, beautiful red-purple fall color, highly adaptable
<i>Fraxinus pennsylvanica "Summit"</i> Summit Ash	Summit	45	25	D/E	C/L	L	Leathery deep green foliage, seedless, tolerant of many conditions, semi-deciduous
<i>Ginkgo biloba</i> Maidenhair Tree	Autumn Gold	45	35	D	L	L	Classic Ginkgo shape, fruitless
<i>Gymnocladus dioicus</i> Kentucky Coffee Tree	NA	45	35	D	C/L		Large vase shape, blue-green foliage, good shade, yellow fall color
<i>Koelreuteria bipinnata</i> Chinese Flame Tree	Chinese Flame Trees	25	20	D	C/L	H	Needs regular watering to perform at its best, fragrant yellow flowers, deep rooted
<i>Magnolia grandiflora</i> Southern Magnolia	Samuel Sommers or Majestic Beauty	50	50	E	L	L	The classic magnolia of the south, does well in Sacramento, fragrant flowers, minor leaf litter year round.
<i>Quercus acutissima</i> Sawtooth Oak	NA	40	40	D	C/L		Brown foliage hangs on tree through winter, falling in spring, leaves chestnut-like, bark deeply furrowed, allow plenty of root space
<i>Quercus agrifolia</i> Coast Live Oak	NA	50	40	E	C/L	H	Though slightly out of its range, this native does very well in Sacramento, allow good drainage and space to grow, avoid overwatering or watering close to the root crown
<i>Quercus buckleyi</i> Texas Red Oak	NA	40	40	D	L	H	AKA <i>Quercus texanum</i> . Excellent shade tree, drought tolerant and tough. Rangy when young but fills out after a few years
<i>Quercus frainetto 'Schmidt'</i> Forest Green Oak	<b>Forest Green*</b>	50	30	D	L		Strong central leader, deep green color. A relatively new and handsome tree
<i>Quercus ilex</i> Holly Oak	NA	40	50	E	L	M	Dense crown, e
<i>Quercus robur</i> English Oak	NA	50	40	D	L	H	Broad open crown, a proven performer in th Sacramento Valley, red fall color

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<i>Quercus suber</i> Cork Oak	NA	40	40	E	C/L	L	Broad spreading crown, tolerates drought, interesting bark pattern, the origin of corks for wine
<i>Tilia cordata 'Greenspire'</i> Greenspire Linden	Greenspire	40	30	D	C/L		Dark green. Pyramidal and symmetrical form
<i>Ulmus parvifolia 'Emer II'</i> Allee Elm	Allee*	50	35	D	C/L	L	Upright vase shape, slightly smaller than typical American elm, yellow to russet fall color, interesting bark pattern, DED resistant
<i>Ulmus 'Frontier'</i> Frontier Elm	<b>Frontier*</b>	40	30	D	L	L	Reddish-purple fall color, long lasting, DED resistant
<i>Ulmus 'Patriot'</i> Patriot Elm	<b>Patriot*</b>	50	40	D	L	L	Dark green foliage, highly resistant to DED and Elm Leaf Beetle
<i>Zelkova serrata</i> Japanese Elm	<b>Green Vase or Village Green*</b>	45	30-40	D	C/L	L	Village Green is slightly wider than Green Vase, excellent shade tree and highly adaptable, rusty red to orange fall color

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<b>Very Large Tree &gt;50' Height - Minimum Recommended Planter Width 10'</b>							
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<i>Liriodendron tulipifera</i> Tulip Tree	Emerald City	55	30	D	C/L	M	Fast growing, maintains a strong central leader, yellow to greenish tulip-shaped flower with orange center,
<i>Quercus lobata</i> Valley Oak	NA	60	60	D	L	M	The classic oak of the lower elevations of the Sacramento Valley, needs a steady source of water, attracts wildlife
<i>Quercus rubra</i> Red Oak	NA	50	45	D	C/L	H	Beautiful rounded crown red fall color, do not confuse with pin oak or scarlet oak
<i>Quercus shumardii</i> Shumard oak	NA	55	40	D	C/L		Upright, spreading and oval crown red to red orange fall color, interesting branch patterns
<i>Ulmus americana 'Valley Forge'</i> Valley Forge Elm	<b>Valley Forge*</b>	70	70	D	L	L	Broad vase shape, high resistance to DED and Elm Leaf Beetle
<i>Ulmus japonica x wilsoniana 'Morton'</i> Accolade Elm	<b>Accolade*</b>	70	60	D	L	L	DED and Elm Leaf Beetle resistant, graceful vase shape, arching limbs

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<b>Trees for Narrow Spaces - Minimum Recommended Planter Width 8-10'</b>							
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<i>Acer platanoides 'Crimson Sentry'</i> Crimson Sentry Maple	<b>Crimson Sentry*</b>	25	15	D	L	L	Deep purple foliage, maroon fall color, allow plenty of planting space
<i>Acer rubrum</i> Armstrong or Bowhall Maple	<b>Armstrong or Bowhall*</b>	40	15	D	L	L	Tall, narrow profile for use in tight spaces. Excellent fall color
<i>Ginkgo biloba</i> Maidenhair Tree	<b>Princeton Sentry*</b>	40	15	D	L	M	Narrow form and fruitless. Great for constricted spaces
<i>Liriodendron tulipifera 'Fastigiatum'</i> Columnar Tulip Tree	NA	50	15	D	C/L	M	Tightly fastigate, narrow form, large glossy foliage
<i>Malus 'Red Barron'</i> Red Baron Flowering Crabapple	<b>Red Barron*</b>	18	8	D	L	L	Bronzy foliage, dark red spring flowers, 1/2 inch dark red fruit, showy tree, use 'Right Root' rootstock to prevent suckering
<i>Malus 'Jarmin'</i> <i>Marilee Crabapple</i>	<b>Marilee*</b>	24	10	D	L	L	Pink buds, white double flowers, fruitless, use "Right Root" rootstock if possible to prevent suckering
<i>Prunus sargentii 'Columnaris'</i> <i>Columnar Sargent Cherry</i>	NA	35	15	D	L	L	Single pink flowers on upright narrow and vase shaped crown. Maintain a healthy and full canopy to prevent sunburn injury to bark
<i>Quercus robur 'Fastigiata'</i> Skyrocket English Oak	<b>Skyrocket*</b>	45	15	D	L	H	Narrow fastigate form for tight spaces where a larger tree is desired, yellow fall color
<i>Quercus robur x Q. alba 'JFS-KW1QX'</i> Streetspire Oak	<b>Streetspire*</b>	45	14	D	L	H	Glossy green foliage turns red for fall, does not hold brown foliage through winter, well- structured tree
<i>Tillia cordta 'Corzam'</i> Corinthian Linden	<b>Corinthian*</b>	45	15	D	C/L		Narrow, pyramidal form of Littleleaf Linden
<i>Zelkova serrata 'Musashino'</i> Musashino Columnar Zelkova	<b>Musashino*</b>	45	15	D	C/L	L	Narrow vase shape with typical Zelkova features, yellow fall color, does well in Sacramento