

Residential Landscape Design Templates

Master Plant Substitution List - Medium Water Use Plants

Botanical Name	Common Name	Category	Height	Spread	Height x Spread	Evergreen or Deciduous	Exposure	Color	Bloom time	Habitat	Native	Edible	WUCOLS	Fire Safer	Deer Resistance
TREES															
<i>Acer buegeranum</i>	Trident Maple	Trees	20'	20'	20'x20'	Deciduous	Full Sun	Red Fall	Not notable				M	Yes	Yes
<i>Acer griseum</i>	Paperbark Maple	Trees	20'	15'	20'x15'	Deciduous	Sun- Pt. Shade	Red Fall	Not notable				M		
<i>Acer macrophyllum</i>	Big Leaf Maple	Trees	50'	30'		Deciduous	Pt. Shade	Yellow Fall	Not notable		Yes		M	Yes	Yes
<i>Acer palmatum</i>	Japanese Maple	Trees	20'	20'	20'x20'	Deciduous	Pt. Shade	Red-Orange	Not notable				M		Yes
<i>Acer rubrum 'Bowhall'</i>	Narrow Red Maple	Trees	40'	15'	40'x15'	Deciduous	Full Sun	Red Fall	Not notable	Birds, Butterflies			M		Yes
<i>Acer x freemanii 'Autumn Blaze'</i>	Autumn Blaze Maple	Trees	50'	40'	50'x40'	Deciduous	Full Sun	Red Fall	Not notable	Birds, Butterflies			M		Yes
<i>Alnus cordata</i>	Italian Alder	Trees	40'	25'	40'x25'	Deciduous	Sun- Pt. Shade	No	Not notable	Birds, Butterflies			M		
<i>Cercis canadensis</i>	Eastern Redbud	Trees	20'	12'	25'x25'	Deciduous	Sun- Pt. Shade	Lt. Purpl	Spring	Birds, Butterflies			M		
<i>Feijoa sellowiana</i>	Pineapple Guava	Trees	12'	12'	18'x18'	Evergreen	Full Sun	Red	Summer	Birds, Butterflies		Yes	M	Yes	Yes
<i>Ficus edulis</i>	Fig	Trees	20'	20'	20'x20'	Deciduous	Full Sun	NA				Yes	M		Yes
<i>Fraxinus velutinus 'Rio Grande'</i>	Arizona Ash	Trees	40'	40'	40'x25'	Deciduous	Full Sun	Yellow Fall	Not notable	Birds, Butterflies			M	Yes	Yes
<i>Ginkgo biloba</i>	Maiden Hair Tree	Trees	50'	35'	50'x35'	Deciduous	Sun- Pt. Shade	Gold Fall					M		
<i>Malus spp.</i>	Apple	Trees	12'	12'	Varies	Deciduous	Full Sun	Red	Spring/Summer			Yes	M		
<i>Nyssa sylvatica</i>	Tupelo	Trees	40'	20'	40'x20'	Deciduous	Sun- Pt. Shade	Org-Red Fall	Not notable	Birds, Butterflies			M		Yes
<i>Platanus racemosa</i>	California Sycamore	Trees	50'	40'	50'x40'	Deciduous	Full Sun				Yes		M	Yes	Yes
<i>Prunus ssp.</i>	Cherry - Fruiting	Trees	12'	12'	Varies	Deciduous	Sun- Pt. Shade	White/Pink	Spring			Yes	M		Yes
<i>Pyrus communis</i>	Pear	Trees	18'	12'		Deciduous	Sun- Pt. Shade						M		
<i>Pyrus pyrifolia</i>	Asian Pear	Trees	16'	12'		Deciduous	Sun- Pt. Shade						?		
<i>Quercus robur 'Fastigiata'</i>	Narrow English Oak	Trees	45'	15'	45'x15'	Deciduous	Full Sun			Birds, Butterflies			M		Yes
<i>Schinus Terebinthifolia</i>	Brazilian Pepper	Trees											M		
<i>Sequoia sempervirens</i>	Coast Redwood	Trees	100'	25'	100'x25'	Evergreen	Shade			Squirrels, Bird	Yes		M/H	Yes	Yes
<i>Tilia cordata</i>	Little Leafed Linden	Trees	45'	25'	45'x25'	Deciduous	Sun- Pt. Shade	Yellow in Fall		Bees			M		
SHRUBS															
<i>Arctostaphylos 'Winterglow'</i>	Winterglow Manzanita	Shrubs	3'	3'	3' x 3'					Birds			M	Yes	
<i>Anisodonte hypomandara 'Tara's Pink'</i>	Cape Mallow	Shrubs	6'	6'		Evergreen	Sun-Pt Shade	Pink	Summer	Birds, Butterflies			M		
<i>Camelia sinensis</i>	Green Tea	Shrubs	6'	8'		Evergreen	Sun- Pt. Shade						M?		
<i>Carpenteria californica</i>	CA Bush Anenome	Shrubs	6'	4'	6-4'	Evergreen	Sun- Pt. Shade	White	Spring/Summer	Butterflies, Bir	Yes		M	Yes	Yes
<i>Cerostigma ssp.</i>	Plumbago	Shrubs	2'	3'		Evergreen	Sun- Pt. Shade						L/M		Yes
<i>Citrus spp.</i>	Lemon, Kumquat	Shrubs	8'	8'	2.0m-4.0m	Evergreen	Sun	White	Jan-Dec.			Yes	M		Yes
<i>Escallonia 'Fradesii' & cvs</i>	Escallonia	Shrubs	6'	8'	6' x 8'	Evergreen	Sun-Lt Shade	Pink	Spring - Fall				M	Yes	Yes
<i>Lavatera x clementii 'Kew Rose'</i>	Bush Mallow	Shrubs	6'	8'	6' x 8'	Evergreen	Sun- Pt. Shade	Rose-Pink	Spring - Fall				M		
<i>Lithodora diffusa 'Grace Wand'</i>	Heavenly Blue	Shrubs	24"	36"		Evergreen	Sun- Pt. Shade								Yes
<i>Monardella macrantha 'Marion Simpson'</i>	Scarlet Monardella	Shrubs	4"	18"		Evergreen	Sun- Pt. Shade	Scarlet	Jun-Aug						Yes
<i>Pittosporum crassifolium</i>	Dwarf Karo	Shrubs	2'	2'		Evergreen	Sun- Pt. Shade						M	Yes	
<i>Rhododendron occidentale</i>	Western Azalea	Shrubs	5'	5'	2.0m-4.0m	Deciduous	Sun-Pt Shade	White w/ Pink	may-jul				M	Yes	Yes
<i>Ribes aureum gracillimum</i>	Golden Currant	Shrubs	6'	4'	1.0m-3.0m	Deciduous	Sun-Pt Shade	Yellow	apr-aug				L/M		Yes
<i>Rose spp. & cvs</i>	Roses	Shrubs	3'	3'		Deciduous	Sun	Many					VARIES		
<i>Rubus calcynoides</i>	creeping raspberry	Shrubs	18"	6'	18" x 6'		Sun-Pt Shade						M		
<i>Rubus cvs</i>	Raspberry	Shrubs	3'	3'	3' x 3'	Deciduous	Sun-Pt Shade						M		
<i>Rubus cvs (select non invasive)</i>	Blackberry (Thornless, Non invasive select.)	Shrubs	4'	4'	4' x 4'	Deciduous	Sun						M		
<i>Rubus leucodermis</i>	Wild Raspberry	Shrubs	3'	3'	3' x 3'	Deciduous	Sun- Pt. Shade	White	mar-may			Yes	M		
<i>Rubus idaeus x R. loganobaccus</i>	Boysenberry	Shrubs	4'	4'		Deciduous									
<i>Rubus ursinus x R. idaeus</i>	Loganberry	Shrubs	4'	4'		Deciduous							?		Yes
<i>Salvia azurea</i>	Prairie Sage	Shrubs	3'	3'		Deciduous									Yes
<i>Salvia patens</i>	Gentian Sage	Shrubs	4'	4'		Deciduous									Yes
<i>Salvia pulchella x involucrata</i>	Hybrid Rose Leaf Sage	Shrubs	5'	5'		Deciduous									
<i>Salvia uglinosa</i>	Bog Sage	Shrubs	4'	3'		Deciduous									Yes
<i>Salvia darcyi</i>	Sage	Shrubs	3'	3'		Evergreen							VARIES		Yes
<i>Salvia dolomitica</i>	Dolomite Sage	Shrubs	4'	3'		Evergreen									Yes
<i>Salvia elegans</i>	Pineapple Sage	Shrubs	4'	4'		Evergreen							M		Yes
<i>Ugni molinae</i>	Chilean Guava	Shrubs	4'	4'		Evergreen							M		Yes

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			Height	Spread											
<i>Vaccinium (High bush)</i>	Blueberry	Shrubs	6'	6'		Deciduous	Sun- Pt. Shade						M		
<i>Vaccinium 'Sunshine Blue' (Southern Low Bush)</i>	Blueberry	Shrubs	3'	3'		Deciduous	Sun- Pt. Shade								
<i>Vaccinium ovatum</i>	Evergreen Huckleberry	Shrubs	4'	4'	4' x 4'	Evergreen	Pt Shade - Shade				Yes	Yes	M	No	Yes
<i>Vaccinium vitis idea</i>	Foxberry	Shrubs	1'	2'	1' x 2'	Deciduous	Sun-Pt Shade					Yes	M		Yes
VINES															
<i>Actinidia ssp.</i>	Kiwi	Vines	20'	20'	20' x 20'	Deciduous	Shade					Yes	M		
<i>Hardenbergia sp.</i>	purple vine lilac	Vines	12'	8'	12' x 12'	Evergreen	Sun- Pt. Shade	Purple	apr-jul				M		Yes
<i>Phaseolus coccineus</i>	Scarlet Runner Bean	Vines	8'	8'	8' x 8'	Deciduous	Sun					Yes	M		
<i>Trachelospermum jasminoides</i>	Star Jasmine	Vines	12'	12'	12' x 12'	Evergreen	Sun						M	Yes	Yes
<i>Vitis ssp.</i>	Edible Grape	Vines	8'	8'	8' x 8'	Deciduous	Sun					Yes	M		
PERENNIALS/BULBS															
<i>Agapanthus spp.</i>	Lily of the Nile	Perennials/Bulbs/Annuals	36'	36"		Evergreen	Sun						M	Yes	
<i>Agastache foeniculum</i>	Anise Hyssop	Perennials/Bulbs/Annuals	24"	36"		Deciduous	Sun						?		
<i>Agastache aurantica & hybrds</i>	Giant Hyssop	Perennials/Bulbs/Annuals	30"	30"		Deciduous	Sun								Yes
<i>Agastache rupestris & hybrds</i>	Licorice Mint	Perennials/Bulbs/Annuals	24"	24"		Deciduous	Sun								Yes
<i>Agastache mexicana & hybrds</i>	Mexican Hyssop	Perennials/Bulbs/Annuals	30"	30"		Deciduous	Sun								Yes
<i>Allium schoenoprasum</i>	Chives	Perennials/Bulbs/Annuals	8"	12"		Deciduous	Sun						M		Yes
<i>Allium tuberosum</i>	Garlic Chives	Perennials/Bulbs/Annuals	8"	12"		Deciduous	Sun						?		
<i>Alstroemeria spp</i>	Purvian Lily	Perennials/Bulbs/Annuals											M		
<i>Armeria maritima</i>	Sea Thrift	Perennials/Bulbs/Annuals	8"	8'	.5-1'	Evergreen	Sun		apr- may				M	Yes	Yes
<i>Asclepias curassavica</i>	Scarlet Milkweed	Perennials/Bulbs/Annuals	3'	2'		Deciduous	Sun						M		Yes
<i>Aster ssp.</i>	Aster	Perennials/Bulbs/Annuals	3'	6'		Deciduous	Sun						varies		Yes
<i>Asteriscus maritimus 'gold coin'</i>	Gold Coin Daisy	Perennials/Bulbs/Annuals	1'	3-4'	1'	Deciduous	Sun	Golden	Year-round				M	Yes	Yes
<i>Bergenia spp.</i>	Bergenia	Perennials/Bulbs/Annuals	16"	18"		Deciduous	Shade						M	Yes	Yes
<i>Cerastium tomentosum</i>	Snow in Summer	Perennials/Bulbs/Annuals	20"	48"		Deciduous	Sun								Yes
<i>Coreopsis 'Flying Saucers'</i>	Coreopsis	Perennials/Bulbs/Annuals	18"	16"		Deciduous	Sun			Butterflies			M	Yes	Yes
<i>Coreopsis ssp.</i>	Coreopsis	Perennials/Bulbs/Annuals	24"	24"		Deciduous	Sun						M	Yes	Yes
<i>Cynara cardunculus var. scolymus</i>	Artichoke	Perennials/Bulbs/Annuals	4'	4'		Deciduous	Sun						?		Yes
<i>Echinacea purpurea</i>	Purple Cone Flower	Perennials/Bulbs/Annuals	36"	36"		Deciduous	Sun						M		Yes
<i>Geranium spp.</i>	Geranium	Perennials/Bulbs/Annuals	30"	30"		Deciduous	Sun						M	Yes	
<i>Helianthella calif.</i>	Calif. Helianthella	Perennials/Bulbs/Annuals	36"	36"		Deciduous	Sun						M		
<i>Helianthus angustifolius</i>	Swamp Sunflower	Perennials/Bulbs/Annuals	60"	48"		Deciduous	Sun						M		Yes
<i>Helenium bigelovii</i>	Bigelow Sneezeweed	Perennials/Bulbs/Annuals	48"	36"		Deciduous	Sun				Yes				
<i>Helenium puberulum</i>	Rosilla	Perennials/Bulbs/Annuals	36"	24"		Deciduous	Sun				Yes				
<i>Hemerocallis hybrids</i>	Daylily	Perennials/Bulbs/Annuals	36"	36"		Deciduous	Sun						M	Yes	Yes
<i>Heuchera maxima</i>	Island Alum Root	Perennials/Bulbs/Annuals	24"	24"		Evergreen	Pt Shade						M		Yes
<i>Heuchera micrantha 'M.R.'</i>	Crevice Alum Root	Perennials/Bulbs/Annuals	18"	18"		Evergreen	Pt Shade						M		Yes
<i>Heuchera 'Wendy'</i>	Corral Bells	Perennials/Bulbs/Annuals	24"	24"		Evergreen	Shade	Pink	Summer				M		Yes
<i>Heuchera parviflora</i>	Island Alum Root	Perennials/Bulbs/Annuals	12"	12"		Evergreen	Pt Shade						M	Yes	Yes
<i>Iris longipetala</i>	Meadow Iris	Perennials/Bulbs/Annuals	18"	18"		Evergreen	Sun								Yes
<i>Leucanthemum x superbum</i>	Shasta Daisy	Perennials/Bulbs/Annuals	4'	2'			Sun-Pt Shade	White	Summer						
<i>Melissa officinalis</i>	Lemon Balm	Perennials/Bulbs/Annuals	36"	36"		Deciduous	Sun						M		
<i>Mimulus cardinalis</i>	Cardinal Monkeyflower	Perennials/Bulbs/Annuals	24"	24"		Deciduous	Sun				L	Yes			Yes
<i>Mimulus guttatus</i>	Seep Monkey Flower	Perennials/Bulbs/Annuals	18"	18"		Deciduous	Sun						M	Yes	Yes
<i>Monarda didyama</i>	Bee Balm	Perennials/Bulbs/Annuals	36"	24"		Deciduous	Sun						M		Yes
<i>Origanum majorana</i>	Marjoram	Perennials/Bulbs/Annuals	12"	16"		Evergreen	Sun						M		Yes
<i>Origanum 'Kent Beauty', 'Green Goddess', 'Hopley'</i>	Ornamental Oregano	Perennials/Bulbs/Annuals	8"	12"		Evergreen	Sun						M		
<i>Origanum vulgare</i>	Oregano	Perennials/Bulbs/Annuals	12"	16"		Evergreen	Sun						M		Yes
<i>Papaver orientale</i>	Oriental Poppy	Perennials/Bulbs/Annuals											M		
<i>Pelargonium sidoides</i>	South African Geranium	Perennials/Bulbs/Annuals	20"	24"		Evergreen	Sun								Yes
<i>Petroselinum crispum</i>	Parsley	Perennials/Bulbs/Annuals	18"	18"		Deciduous	Sun						?		Yes
<i>Rheum rhabarbarum</i>	Rhubarb	Perennials/Bulbs/Annuals	36"	48"		Deciduous	Sun						M		Yes

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<i>Salvia patens</i>	Gentian sage	Perennials/Bulbs/Annuals	3'	2'			Sun	blue	Summer				M		Yes
<i>Sidalcea malviflorum</i>	Checkerbloom	Perennials/Bulbs/Annuals	18"	18"		Evergreen	Sun	blue	apr-jul	Butterflies, hummingbirds			M		
<i>Sisyrinchium californicum</i>	Yellow Eyed Grass	Perennials/Bulbs/Annuals	12"	18"		Deciduous	Sun						M		Yes
<i>Strelitzia regina</i>	Bird of Paradise	Perennials/Bulbs/Annuals	4'	5'		Deciduous	Sun	yellow	mar-aug				M		Yes
<i>Symphytum</i>	Comfrey	Perennials/Bulbs/Annuals	24"	24"		Deciduous	Sun						M		Yes
<i>Trifolium repens/fragariferum</i>	Perennial Dutch White Clover/Strawberry Clover	Perennials/Bulbs/Annuals	12"	16"		Deciduous	Sun						M		
<i>Viola odora</i>	Violet	Perennials/Bulbs/Annuals	12"	36"		Deciduous	Sun- Pt. Shade						M		
<i>Zantedeschia aethiopicca</i>	Common Calla	Perennials/Bulbs/Annuals	36"	36"		Deciduous	Sun- Pt. Shade						M	Yes	Yes
GROUNDCOVERS															
<i>Ajuga reptans</i>	Carpet Bugle	Groundcovers & succulents	6"	4'		Evergreen	Sun						M	Yes	Yes
<i>Armeria maritima</i>	Common Thrift	Groundcovers & succulents	10"	10"		Evergreen	Sun						M	Yes	Yes
<i>Fragaria chiloensis 'Chaval'</i>	Beach Strawberry	Groundcovers & succulents	8"	36"		Evergreen	Sun- Pt. Shade					Yes	M		Yes
<i>Fragaria vesca</i>	Woodland Strawberry	Groundcovers & succulents	6"	18"		Evergreen	Sun- Pt. Shade						M		Yes
<i>Rubus pentalobus 'emerald carpet'</i>	Creeping Raspberry	Groundcovers & succulents	6"	4'	6"	Evergreen	Sun- Pt. Shade				No	Yes	M	Yes	Yes
GRASSES/SEDGES/RUSHES															
<i>Carex barbarae</i>	Basket Sedge	Grasses/Sedges/Rushes	18"	36"		Evergreen	Sun- Shade								Yes
<i>Carex densa</i>	Dense Sedge	Grasses/Sedges/Rushes	12"	18"		Evergreen	Sun						M/L	Yes	Yes
<i>Carex praegracilis, C. pansa</i>	Slender Field Sedge	Grasses/Sedges/Rushes	18"	18"	0.1m- 0.5m	Evergreen	Sun- Pt. Shade	na					M	Yes	Yes
<i>Cymbopogon citratus</i>	Lemon Grass	Grasses/Sedges/Rushes	3'	3'		Deciduous	Sun						M		Yes
<i>Deschampsia caespitosa</i>	Slender Hair Grass	Grasses/Sedges/Rushes	18"	18"		Evergreen	Sun						M/L	Yes	Yes
<i>Festuca 'Siskiyou Blue'</i>	Siskiyou Blue Fescue	Grasses/Sedges/Rushes	12"	15"			Sun-Shade	wheat	Spring/Summer				M		Yes
<i>Juncus effusus and cvs.</i>	Common Soft Rush	Grasses/Sedges/Rushes	3'	3'	0.3m-1.0m	Evergreen	Sun	na					M/L	Yes	Yes
WILDFLOWERS															
<i>Solidago velutinus ssp. californicus</i>	Goldenrod	Wildflowers	3'	3'		Deciduous	Sun						M		Yes

Plant substitutions can be chosen from this Master Plant Substitution List or from the Water Use Classifications of Landscape Species (WUCOLS) manual at <https://ucanr.edu/sites/WUCOLS/> Plants must be listed as Very Low (VL), Low (L), or Moderate (M) under Region 1 (Sonoma County is in Region 1). If you choose to select plants directly from the WUCOLS list, be sure to not choose plants that are labelled as invasive by the California Invasive Plant Council on their website at <https://www.cal-ipc.org/>