

# Residential Landscape Design Templates

## Master Plant Substitution List - Low Water Use Plants

Botanical Name	Common Name	Category	Height	Spread	Evergreen or Deciduous	Exposure	Color	Bloom time	Habitat	Native	Edible	WUCOLS	Fire Safer	Deer Resistant
<b>TREES</b>														
<i>Aesculus californica</i>	Buckeye	Trees	30'	25'	Deciduous	Sun- Pt. Shade	White	Apr- May	Butterflies	Yes		VL		Yes
<i>Arbutus 'Marina'</i>	Strawberry Tree	Trees	30'	30'	Evergreen	Sun- Pt. Shade	Pink	Fall/Winter	Birds, Butterflies			L	Yes	Yes
<i>Arbutus unedo</i>	Strawberry Bush	Trees	20'	20'	Evergreen	Sun- Pt. Shade	White	Fall/Winter	Birds, Butterflies		Yes	L	Yes	Yes
<i>Cercis occidentalis</i>	Western Redbud	Trees	12'	8'	Deciduous	Sun	White	Spring	Butterflies, Birds	Yes		L	Yes	Yes
<i>Cercis reniformis</i>	SouthwestRedbud	Trees	25'	25'	Deciduous	Sun- Pt. Shade	Lt. Purple	Spring	Birds, Butterflies			L	Yes	
<i>Chitalpa tashkentensis</i>	Chitalpa	Trees	25'	25'	Deciduous	Sun	Pink to White	Spring				L		Yes
<i>Diospyros kaki 'Fuyu'</i>	Japanese Persimmon	Trees	20'	15'	Deciduous	Sun	Org-Red Fall				Yes	L		
<i>Diospyros virginiana</i>	American Persimmon	Trees	40'	25'	Deciduous	Sun	Org-Red Fall				Yes	L		
<i>Eriobotrya japonica</i>	Loquat	Trees	25'	20'	Evergreen	Sun	Foliage					L		Yes
<i>Gleditsia triacanthos inermis 'Shademaster'</i>	Honey Locust	Trees	40'	30'	Deciduous	Full Sun	Yellow Fall	Not notable	Birds, Butterflies			L	Yes	Yes
<i>Laurus nobilis</i>	Bay Laurel	Trees	20'	10'	Evergreen	Sun - Pt Shade	Foliage					L		Yes
<i>Metrosideros excelsus</i>	New Zealand Xmas	Trees	30'	20'	Evergreen	Sun- Pt Shade	Foliage					L	Yes	Yes
<i>Morus alba</i>	Fruiting Mulberry	Trees	25'	25'	Deciduous	Sun	NA				Yes	L		
<i>Morus alba 'Fruitless'</i>	Fruitless Mulberry	Trees	40'	40'	Deciduous	Sun	NA					L		
<i>Olea europaea 'Manzanillo'</i>	Olive - fruiting var.	Trees	25'	25'	Evergreen	Sun	Foliage	Summer			Yes	L	Yes	Yes
<i>Olea europea 'Frantoio'</i>	Olive - oil var.	Trees	25'	25'	Evergreen	Sun	Foliage					VL		
<i>Olea europea 'Wilsonii'</i>	Olive - low fruiting var.	Trees	25'	25'	Evergreen	Sun	Foliage				Yes	L	Yes	Yes
<i>Pistacia chinensis</i>	Chinese Pistache	Trees	40'	40'	Deciduous	Sun	Org-Red Fall					L	Yes	Yes
<i>Prunus armenaica</i>	Apricot	Trees	20'	20'	Deciduous	Sun	Pink					L		
<i>Prunus ilicifolia</i>	Holly Leaf Cherry	Trees	16'	16'	Evergreen	Sun-Pt Shade	White		Birds, Butterflies		Yes	L		Yes
<i>Prunus persica</i>	Nectarine	Trees	25'	20'	Deciduous	Sun	Pink					L		
<i>Prunus persica</i>	Peach	Trees	15'	15'	Deciduous	Full Sun	Pink				Yes	L		
<i>Prunus ssp.</i>	Plum - Fruiting	Trees	20'	15'	Deciduous	Full Sun	White				Yes	L		
<i>Pyrus pyrifolia</i>	Asian Pear	Trees	20'	18'	Deciduous	Sun	Foliage					?		
<i>Quercus agrifolia</i>	Coast Live Oak	Trees	50'	50'	Evergreen	Sun-Pt Shade	Foliage		Many	Yes		VL	Yes	Yes
<i>Quercus douglasii</i>	Blue Oak	Trees	40'	60'	Deciduous	Sun	Foliage		Many	Yes		VL		Yes
<i>Quercus douglasii x lobata</i>	Jolon Oak	Trees	50'	40'	Deciduous	Sun	Foliage		Many	Yes		L		
<i>Quercus kelloggii</i>	Black Oak	Trees	50'	40'	Deciduous	Sun-Pt Shade	Yellow in Fall	apr-may	Many	Yes	Yes	L	Yes	Yes
<i>Quercus lobata</i>	Valley Oak	Trees	80'	60'	Deciduous	Sun	Foliage	apr-may	Many	Yes		L	Yes	Yes
<i>Quercus suber</i>	Cork Oak	Trees	35'	35'	Evergreen	Sun	Foliage		Birds, Butterflies			VL		Yes
<i>Quercus tomentella</i>	Island Oak	Trees	40'	40'	Evergreen	Sun- Pt Shade	Foliage		Birds, Squirrels			L		
<i>Quercus wizlizenii</i>	Interior Live Oak	Trees	55'	50'	Evergreen	Sun	Foliage		Many	Yes		VL		Yes
<i>Quercus x morehus</i>	Oracle Oak	Trees	45'	30'	Semi Decid	Sun- Pt Shade	Foliage		Birds, Butterflies	Yes		L		
<i>Rhus lancea</i>	African Sumac	Trees	25'	25'	Evergreen	Sun	Foliage		Birds, Butterflies			L	Yes	Yes
<i>Schinus molle</i>	California Pepper	Trees	30'	30'	Evergreen	Sun	Foliage					L	Yes	Yes
<i>Tilia tomentosa</i>	Silver Linden	Trees	50'	40'	Deciduous	Sun- Pt. Shade	Yellow in Fall		Bees			L		
<i>Ulmus parvifolia "Drake"</i>	Clinese Elm	Trees	60'	40'	Semi Decid	Sun	Purple					L		Yes
<b>SHRUBS</b>														
<i>Arctostaphylos 'John Dourley'</i>	John Dourley Manzanita	Shrubs	3'	6'	Evergreen	Sun	White	Nov.-Jan	Birds, Beneficials			L	no	Yes
<i>Arctostaphylos 'Emerald Carpet'</i>	Emerald Carpet Manzanita	Shrubs	18"	5'	Evergreen	Sun			Birds, Beneficials			M	Yes	
<i>Arctostaphylos edmundsii &amp; varieties</i>	Bearberry	Shrubs	10"	30"	Evergreen	Sun to Pt Shade	White	Nov.-Jan	Birds, Beneficials			L	no	Yes
<i>Arctostaphylos hookeri 'Monterey Carpet'</i>	Monterey Carpet Manzanita	Shrubs	12"	6'	Evergreen	Sun to Pt Shade	White		Birds, Beneficials			L		Yes
<i>Arctostaphylos 'Pacific Mist'</i>		Shrubs	2'	10'	Evergreen	Sun	White		Birds, Beneficials			L		Yes
<i>Arctostaphylos 'Sentinel'</i>	Vine Hill Manzanita	Shrubs	4'	4'	Evergreen	Sun	Pink	Nov.-Jan	Beneficials			L	no	Yes

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<i>Arctostaphylos 'Sunset'</i>	Sunset Manzanita	Shrubs	6'	6'	Evergreen	Sun	Pink					L		Yes
<i>Arctostaphylos uva ursi 'San Bruno Mt.'</i>	Bearberry	Shrubs	6"	10'	Evergreen	Sun to Pt Shade	White		Birds, Beneficials			L		
<i>Arctostaphylos 'Winterglow'</i>	Winterglow Manzanita	Shrubs	3'	3'	Evergreen	Sun			Birds			M	Yes	
<i>Artemisia 'Powis Castle'</i>	Wormwood	Shrubs	3'	3'	Evergreen	Sun to shade	Silver foliage					L	Yes	Yes
<i>Baccharis pilularis 'Twin Peaks 2'</i>	Coyote brush	Shrubs	3'	6'	Evergreen	Sun	White	Oct-Jan	Beneficials			L		Yes
<i>Ceanothus 'Centennial'</i>	Ceanothus 'Centennial'	Shrubs/Groundcover	1'	8'	Evergreen	Sun to Pt Shade	Deep Blue	Spring	Birds	Yes		L		
<i>Ceanothus 'Concha'</i>	Ceanothus 'Concha'	Shrubs	8'	10'	Evergreen	Sun	Deep Blue	Spr/Sum		Yes		L		Yes
<i>Ceanothus 'Joan Mirov'</i>	Ceanothus 'Joan Mirov'	Shrubs	3'	6'	Evergreen	Sun	Purple	Nov, Mar	Butterflies, Birdss	Yes		L	Yes	Yes
<i>Ceanothus 'Julia Phelps'</i>	Ceanothus 'Julia Phelps'	Shrubs	8'	8'	Evergreen	Sun	Blue	Spring	Butterflies, Birds	Yes		L		
<i>Shrubs</i>	Ceanothus 'Ray Hartman'	Shrubs	20'	20'	Evergreen	Sun	Blue	Winter/Spring		Yes		L	Yes	
<i>Ceanothus 'Valley Violet'</i>	Ceanothus 'Dark Star'	Shrubs	3'	3'	Evergreen	Sun	Blue	Nov, Mar	Butterflies, Birds	Yes		L	Yes	Yes
<i>Ceanothus glorious 'carmel creeper'</i>	Carmel Creeper CA Lilac	Shrubs	3'	8'	Evergreen	Sun	Blue	Year round	Butterflies, Birds	Yes		L	Yes	
<i>Ceanothus glorious 'yankee point'</i>	Yankee Point CA Lilac	Shrubs	3'	8'	Evergreen	Sun to shade	Dark blue	Winter/Sprir	Butterflies, Birds	Yes		L	Yes	
<i>Ceanothus hearstorium</i>	Ceanothus 'Blue Jeans'	Shrubs	10"	6'	Evergreen	Sun	White-blue	Nov, Mar	Butterflies, Birds	Yes		L	Yes	Yes
<i>Cerostigma plumbaginoides</i>	Dwarf Plumbago	Shrubs	6"	4'	Deciduous	Sun or Shade	Blue					L/M		Yes
<i>Cerostigma griffithii</i>	Burmese Plumbago	Shrubs	3'	3'	Deciduous	Sun or Shade	Blue					L/M		Yes
<i>Choisya turnata</i>	Mexican Orange Blossom	Shrubs	8'	8'	Evergreen	Sun-Pt Shade	White	Spring/Sumr	Honeybees			L		
<i>Cistus skanbergii</i>	Rockrose	Shrubs	3'	3'										Yes
<i>Cistus spp. &amp; hybrids</i>	Rockrose	Shrubs	4'	4'								L		Yes
<i>Comarostaphylos diversifolia</i>	Summer Holly	Shrubs	8'	8'	Evergreen	Sun-Pt Shade	Red berries		Bird, Beneficials	Yes		VL		Yes
<i>Convolvulus cneorum</i>	Bush Morning Glory	Shrubs	3'	3'	Evergreen	Sun	White	Spr., Fall		Yes		L	Yes	
<i>Corylus cornuta, Corylus ssp.</i>	Western Hazel	Shrubs	12'	8'	Deciduous	Pt. Shade	Foliage	Fall nuts	Bird Squirrel	Yes	Yes	L		Yes
<i>Elaeagnus multiflora, E. ebbingii</i>	Goumi, Autumn Olive	Shrubs	9'	6'	Evergreen	Sun	Foliage				Yes	L		
<i>Elaeagnus x ebbingii</i>	Silverberry	Shrubs	8'	10'	Evergreen	Sun	Foliage					L		Yes
<i>Frangula californica 'Leatherleaf'</i>	Coffeeberry	Shrubs	5'	6'	Evergreen	Sun or Shade	Foliage	Apr-May	Beneficials	Yes		L/VL		Yes
<i>Frangula californica 'Mound San Bruno'</i>	Coffeeberry	Shrubs	5'	5'	Evergreen	Sun or Shade	Foliage	Apr-May	Beneficials	Yes		L/VL		Yes
<i>Frangula californica 'Seaview Improved'</i>	Coffeeberry	Shrubs	18"	3'	Evergreen	Sun or Shade	Foliage	Apr-May	Beneficials	Yes		L/VL		Yes
<i>Garrya elliptical 'James Roof'</i>	Silk Tassel	Shrubs	12'	8'	Evergreen	Pt. Shade	Foliage		Birds	Yes		L	Yes	Yes
<i>Heteromeles arbutifolia</i>	Toyon	Shrubs	10'	8'	Evergreen	Sun - Pt Shade	Red berries	Jun-Aug	Birds!	Yes		L	Yes	Yes
<i>Lavandula intermedia</i>	Lavandin	Shrubs	18"	30"	Evergreen	Sun	Lavender					L		Yes
<i>Lavatera assurgentiflora</i>	Malva Rose	Shrubs	10'	5'	Deciduous	Sun- Pt. Shade	Magenta	Spring - Fall		Yes		L	Yes	
<i>Lavatera bicolor</i>	Bush Mallow	Shrubs	10'	10'	Deciduous	Sun- Pt. Shade	Purple	Fall				L		
<i>Leonotis Leonorus</i>	Lion's Tail	Shrubs	6'	6'	Evergreen	Sun	Orange	Spring/Fall		No		L	Yes	Yes
<i>Mahonia repens</i>	Creeping Mahonia	Shrubs	12"	3'	Evergreen	Sun- Pt. Shade	Yellow	Spring - Summer		Yes		L	Yes	Yes
<i>Mimulus aurantiacus</i>	Sticky Monkey Flower	Shrubs	4'	5'	Evergreen	Sun	Purple					VL		
<i>Monardella villosa 'Russian River'</i>	Coyote Mint	Shrubs	18"	3'	Evergreen	Sun	Purple	Apr-May	Butterfly, Bene.	yes		VL	Yes	Yes
<i>Olea europea 'Pettite Olive'</i>	Dward Olive	Shrubs	6'	6'	Evergreen	Sun-Lt Shade	Foliage					L	Yes	Yes
<i>Phlomis fruticosa</i>	Jerusalem Sage	Shrubs	3'	5'	Evergreen	Sun	Yellow					L		Yes
<i>Physocarpus capitatus 'Tilden Park'</i>	Ninebark	Shrubs	3'	6'	Deciduous	Sun-Pt Sh	White	May-June	Birds			L		
<i>Pittosporum tobira &amp; cvs</i>	Mock Orange	Shrubs	15'	12'	Evergreen	Sun-Pt Sh	Foliage					L	Yes	
<i>Prunus lyonii</i>	Catalina Cherry	Shrubs	8'	8'	Evergreen	Sun-Pt Sh	White			Yes		L	Yes	
<i>Punica granatum</i>	Pomegranate	Shrubs	12'	12'	Deciduous	Sun	White				Yes	L	Yes	Yes
<i>Rhus integrifolia</i>	Lemonade Berry	Shrubs	6'	8'	Evergreen	Sun	Foliage			Yes		L	Yes	Yes
<i>Ribes aureum gracillimum</i>	Golden Currant	Shrubs	6'	8'	Deciduous	Sun-Pt Shade	Yellow	apr-aug				L/M		
<i>Ribes divaricatum</i>	Spreading Gooseberry	Shrubs	3'	4'	Deciduous	Sun-Pt Shade	White			Yes	Yes	L		
<i>Ribes malvaceum 'Dancing Tassels' &amp; cvs</i>	Chaparral Gooseberry	Shrubs	6'	4'	Deciduous	Sun-Pt Shade	White	Jan-Mar		Yes		VL		Yes
<i>Ribes sanguineum &amp; cvs</i>	Fuschia Flowering Currant	Shrubs	6'	4'	Deciduous	Pt Shade	Red,Pink,White	Jan-Mar		Yes		L	Yes	Yes
<i>Ribes sp. (edible)</i>	Currant	Shrubs	3'	3'	Deciduous	Sun-Pt Shade	White				Yes	L		Yes

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<i>Ribes sp. (edible)</i>	Gooseberry	Shrubs	3'	4'	Deciduous	Sun-Pt Shade	White				Yes	L		Yes
<i>Rosa rugosa</i>	Rugosa Rose	Shrubs	4'	6'	Deciduous	Sun	White, Pink, Red					L		Yes
<i>Rosmarinus prostratus</i>	Prostrate Rosemary	Shrubs	3'	4'	Evergreen	Sun	Blue				Yes	L	Yes	Yes
<i>Rhamnus californica - See Frangula californica</i>														
<i>Rubus</i>	Blackberry (Thornless)	Shrubs	5'	5'	Deciduous	Sun	White					?		
<i>Rubus parviflorus</i>	Thimbleberry	Shrubs	6'	6'	Deciduous	Pt Shade - Shade	White					L		
<i>Rubus ursinus</i> × <i>R. idaeus</i>	Boysenberry	Shrubs	6'	6'	Deciduous	Sun	White					?		
<i>Salvia 'Dara's Choice'</i>	Dara's Choice Hybrid Sage	Shrubs	16"	4'	Evergreen	Sun	Lavender							Yes
<i>Salvia 'bees bliss'</i>	Bees Bliss Sage	Shrubs	1-2'	4'	Evergreen	Sun	Lavender blue	Spring		Yes		L	Yes	Yes
<i>Salvia apiana</i>	White Sage	Shrubs	3'	3'	Evergreen	Sun	White					VL		Yes
<i>Salvia clevelandii 'Winifred Gilman'</i>	Cleveland Sage	Shrubs	3'	3'	Evergreen	Sun-Pt Shade	Blue-Purple					L		Yes
<i>Salvia clevelandii 'Alan Chicking'</i>	Sage	Shrubs	3'	3'	Evergreen	Sun	Lavender					L	Yes	Yes
<i>Salvia gregii</i> & hybrids	Autumn Sage	Shrubs	3'	3'	Evergreen	Sun	Red-Yellow					VARIES		Yes
<i>Salvia leucantha</i>	Purple Sage	Shrubs	4'	6'	Evergreen	Sun	Purple					VARIES		Yes
<i>Salvia microphylla</i> & hybrids	Small Leafed Sage	Shrubs	2'	3'	Evergreen	Sun	Purple-Magenta					VARIES		Yes
<i>Salvia sonomensis</i>	Sonoma Sage	Shrubs	18"	4'	Evergreen	Sun	Purple blue					VARIES		Yes
<i>Sambucus ebulus</i>	Dwarf Elderberry	Shrubs									Yes	L		
<i>Sambucus nigra</i>	Black Elderberry	Shrubs	19'	19'	Deciduous	Sun-Pt Shade								
<i>Santolina chamaecyparissus 'nana'</i>	Dwarf Lavender Cotton	Shrubs	18"	3'	Evergreen	Sun	Yellow	Summer				L	Yes	
<i>Santolina virens</i>	Green Lavender Cotton	Shrubs	18"	3'	Evergreen	Sun	Yellow	Summer				L	Yes	
<i>Simmondsia chinensis</i>	Jojoba	Shrubs	5'	5'	Evergreen	Sun	Foliage			So Cal	Yes	VL	Yes	
<i>Solanum umbellifem</i>	Nightshade, Blue Watch	Shrubs	2'	4'	Semi Decid	Sun- Lt Shade	Purple	Spring - Summer		Yes		L		Yes
<i>Solanum xantii</i>	Purple nightshade	Shrubs	1-3'	4'	Semi Decid	Sun- Lt Shade	Purple					L	Yes	Yes
<i>Sollya heterophylla</i>	Australian Bluebells	Shrubs	2'	3'	Evergreen	Sun- Lt Shade	Blue	Summer				L		Yes
<i>Sphaeralcea ambigua</i>	Desert Mallow	Shrubs	3'	3'										Yes
<i>Symphoricarpos albus 'San Bruno Mt.'</i>	Snowberry	Shrubs	4'	4'	Deciduous	Pt Shade	White	Fall Berries				L		
<i>Symphoricarpos mollis</i>	Creeping Snowberry	Shrubs	2'	4'	Deciduous	Pt Shade	White	Fall Berries				L		Yes
<i>Teucrium fruticosum</i>	Germander	Shrubs	2'	2'	Evergreen	Sun	Blue					L		Yes
<i>Yucca spp.</i>	Yucca	Shrubs	5'	4'	Evergreen	Sun						L	Yes	Yes
<i>Zauschneria californica</i>	See Epilobium calif.	Shrubs	2'	3'										Yes
<b>VINES</b>														
<i>Aristolochia californica</i>	Dutchman's Pipevine	Vines	8'	8'	Evergreen	Sun	Reddish	may-jun				L		Yes
<i>Clematis lasiantha</i>	Pipestem clematis	Vines	12'	12'	Deciduous	Sun-Pt Shade	Cream	mar-aug				L		Yes
<i>Ficus pumila</i>	Creeping Fig	Vines	25'	25'	Deciduous	Sun-Pt Shade	Foliage					L		Yes
<i>Rosa banksiae, Rosa ssp.</i>	Lady Banks Rose, Climbing rose	Vines	12'	12'	Deciduous	Sun	White, Yellow	Spring				L		
<i>Rosa californica 'First Dawn'</i>	Calif. Wild Rose selection		4'	5'	Deciduous	Sun	Pink	Spring						
<i>Rosa 'Cecil Brunner'</i>	Cecil Brunner Rose		12'	12'	Deciduous	Sun	Pink	Spring						
<i>Vitis californica 'Roger's Red'</i>	Calif. Wild Grape	Vines	15'	8'	Deciduous	Sun / Pt Shade	Red foliage	Fall				L TYP.		
<i>Vitis vinifera.</i>	Wine Grape	Vines	8'	8'	Deciduous	Sun	Yellow foliage	Fall		Yes		L		
<b>PERENNIALS/BULBS/SUCCULENTS</b>														
<i>Achillea filipendula</i>	Fernleaf Yarrow	Perennials/Bulbs/Annuals	36"	36"										
<i>Achillea 'Fireland'</i>	Hybrid Yarrow	Perennials/Bulbs/Annuals	36"	36"	Evergreen	Sun	Red	Spring		No		L	Yes	
<i>Achillea millefolium 'Calistoga'</i>	Native CA Yarrow	Perennials/Bulbs/Annuals	36"	36"	Evergreen	Sun	White		Bees, butterflies	Yes	Yes	L	Yes	
<i>Achillea tomentosa</i>	Woolly Yarrow	Perennials/Bulbs/Annuals	24"	24"	Evergreen	Sun	Yellow					L	Yes	
<i>Acmispon(Lotus) scoparius</i>	Deerweed	Perennials/Bulbs/Annuals	18"	36"	Evergreen	Sun	Yellow					VL		

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<i>Agastache foeniculum</i>	Anise Hyssop	Perennials/Bulbs/Annuals	24"	36"	Deciduous	Sun	Purple					?		
<i>Allium tuberosum</i>	Garlic Chives	Perennials/Bulbs/Annuals	8"	12"	Deciduous	Sun	Pink			Yes		?		
<i>Allium unifolium 'W.R.'</i>	Pink Meadow Onion	Perennials/Bulbs/Annuals	10"	10"	Deciduous	Sun	Pink			Yes	Yes	VL		
<i>Angelica tomentosum</i>	Foothill Angelica	Perennials/Bulbs/Annuals	24"	36"	Deciduous	Sun	White			Yes		L		Yes
<i>Anigozanthos</i>	Kangaroo Paw	Perennials/Bulbs/Annuals	4'	3'	Evergreen	Sun		Spring-Fall				L		
<i>Aquilegia formosa</i>	Columbine	Perennials/Bulbs/Annuals	18"	16"	Deciduous	Par shade	Red/Yellow			Yes	Yes	L		Yes
<i>Artemisia dracunculus</i>	Tarragon	Perennials/Bulbs/Annuals	2'	1'	Deciduous	Sun	Yellow/White					VL		Yes
<i>Asclepias fascicularis</i>	Narrow Milkweed	Perennials/Bulbs/Annuals	2'	2'	Deciduous	Sun	White	jun-sep	Monarchs	Yes		L		
<i>Asclepias eriocarpa</i>	Indian Milkweed	Perennials/Bulbs/Annuals	3'	3'	Deciduous	Sun	Pinkish White	jun-sep	Monarchs	Yes		L		
<i>Asclepias speciosa</i>	Showy Milkweed	Perennials/Bulbs/Annuals	4'	3'	Deciduous	Sun	White	jun-sep	Monarchs	Yes		L		
<i>Aster chilensis 'Purple Haze' - See Symphotrichoum</i>		Perennials/Bulbs/Annuals	36"	36"			Purple			Yes		L		
<i>Calandrinia spectabilis</i>		Succulent	24"	36"								L		
<i>Centaurea cineraria</i>	Dusty Miller	Perennials/Bulbs/Annuals	30"	30"	Evergreen	Sun	Foliage					L	Yes	Yes
<i>Clinopodium douglasii</i>	Yerba Buena	Perennials/Bulbs/Annuals	18"	3'	Evergreen	Sun-Pt Shade	White			Yes	Yes	L		Yes
<i>Correa 'carmine bells'</i>	Australian Fuchsia	Perennials/Bulbs/Annuals	2'	5'	Evergreen	Sun-Pt Shade	Pink or White	Nov-April				L	Yes	Yes
<i>Cynara cardunculus var. scolymus</i>	Artichoke	Perennials/Bulbs/Annuals	4'	4'	Deciduous	Sun	Foliage					?		Yes
<i>Dietes bicolor</i>	African Iris	Perennials/Bulbs/Annuals	4'	4'	Evergreen	Sun	White/Blue					L	Yes	Yes
<i>Dietes vegeta</i>	Fortnight Lily	Perennials/Bulbs/Annuals	3'	3'	Evergreen	Sun	White/Yellow					L	Yes	Yes
<i>Dudleya brittonii</i>	Giant Chalk Dudleya	Succulent	18"	18"	Evergreen	Sun	Foliage Bluish White	Summer	Hummingbird	Baja	No		Yes	Yes
<i>Dudleya cymosa</i>	Canyon Live-forever	Succulent	8"	8"	Evergreen	Pt. Shade	Foliage, Yellow/Red	Summer	Hummingbird	Yes				Yes
<i>Dudleya edulis</i>	Mission Lettuce	Succulent	12"	12"	Evergreen	Pt. Shade	Foliage, Yellow Flow	Summer		Yes	Yes			Yes
<i>Dudleya farinosa</i>	Bluff Lettuce	Succulent	8"	8"	Semi Decid.	Pt. Shade	Foliage Red/Yel/Pin	Summer		Yes				Yes
<i>Echeveria elegans</i>	Elegant Hens and Chicks	Succulent	8"	12"	Evergreen	Pt. Shade	Foliage, Rosy	Summer	Hummingbird		No			Yes
<i>Echeveria imbricata</i>	Hens and Chicks	Succulent	12"	24"	Evergreen	Pt. Shade	Foliage Rosy	Summer						Yes
<i>Echeveria subrigida</i>	Hens and Chicks	Succulent	12"	8"	Evergreen	Pt. Shade	Foliage Rosy	Summer						Yes
<i>Epilobium canum 'Brilliant Smith'</i>	Calif. Fuschia	Perennials/Bulbs/Annuals	2'	4'	Evergreen	Sun	Scarlet			Yes		L		Yes
<i>Epilobium canum 'Marin Pink'</i>	Calif. Fuschia	Perennials/Bulbs/Annuals	2'	4'	Evergreen	Sun	Pink			Yes		L		Yes
<i>Epilobium canum 'Orange Carpet'</i>	Calif. Fuschia	Perennials/Bulbs/Annuals	2'	4'	Evergreen	Sun	Orange/Scarlet			Yes		L		Yes
<i>Epilobium septentrionale 'Select Mattole'</i>	Humboldt County fuchsia	Perennials/Bulbs/Annuals	1'	3'	Evergreen	Sun	Scarlet			Yes		L		Yes
<i>Erigeron 'W.R.'</i>	Beach Daisy	Perennials/Bulbs/Annuals	18"	3'	Evergreen	Pt. Shade	Purple or White					L		Yes
<i>Erigeron karvinskaianus</i>	Santa Barbara Daisy	Perennials/Bulbs/Annuals	24"	3'	Evergreen	Sun	White w/ Purple/Blue					L	Yes	Yes
<i>Eriogonum nudum 'Ella Nelson's Yellow'</i>	Foothill Buckwheat	Perennials/Bulbs/Annuals	18"	18"	Evergreen	Sun	Yellow			Yes		L		Yes
<i>Eriogonum grande rubescens</i>	Red Coastal Buckwheat	Perennials/Bulbs/Annuals	18"	18"	Evergreen	Sun	Red			Yes		L		Yes
<i>Eriogonum umbellatum</i>	Shasta Buckwheat	Perennials/Bulbs/Annuals	18"	18"	Evergreen	Sun	Yellow			Yes		L		Yes
<i>Eriophyllum lanatum 'Siskiyou'</i>	Oregon Sunshine/ Lizard's Tail	Perennials/Bulbs/Annuals	12"	3'	Evergreen	Sun	Yellow			Yes		L		Yes
<i>Helianthemum 'Ben Nevis'</i>	Rock Rose	Perennials/Bulbs/Annuals	10"	18"	Evergreen	Sun	Orange	Spring/Summer				L		Yes
<i>Helianthemum nummularium</i>	Sunrose	Perennials/Bulbs/Annuals	8"	36"								L		Yes
<i>Hesperaloe</i>	Red Yucca	Perennials/Bulbs/Annuals	3'	2'	Evergreen	Sun	Red					L	Yes	Yes
<i>Iris 'Pacific Coast Hybrids'</i>	Pacific Coast Iris	Perennials/Bulbs/Annuals	16"	16"	Evergreen	Pt Shade	Many			Yes		L	Yes	Yes
<i>Iris douglasiana</i>	Douglas Iris	Perennials/Bulbs/Annuals	16"	16"	Evergreen	Pt Shade	Blue/Purple/White			Yes		L	Yes	Yes
<i>Iris macrosiphon</i>	Long Tube Iris	Perennials/Bulbs/Annuals	14"	16"	Evergreen	Pt Shade	White/Blue			Yes		L		Yes
<i>Kniphofia</i>	Red Hot Poker	Perennials/Bulbs/Annuals	3'	3'	Evergreen	Sun	Red, Or, Yellow					L	Yes	
<i>Lantana montevidensis</i>	Lantana montevidensis (only)	Perennials/Bulbs/Annuals	3'	4'	Evergreen	Sun	Many					L	Yes	Yes
<i>Lavandula dentata var. candicans</i>	French Lavender	Perennials/Bulbs/Annuals	24"	30"	Evergreen	Sun	Lavender					L	Yes	Yes
<i>Limonium perezii</i>	Sea Lavender	Perennials/Bulbs/Annuals	18"	24"	Evergreen	Sun	Purple					L	Yes	Yes
<i>Lessingia filaginifolia</i>	Beach Aster	Perennials/Bulbs/Annuals	8"	6'	Evergreen	Sun	Purple/Pink/Wh			Yes		L		Yes
<i>Lessingia filaginifolia 'Silver Carpet'</i>	California Beach Aster	Perennials/Bulbs/Annuals	4"	8'		Sun						L		
<i>Lupinus albifrons var collinus</i>	Dwarf Arroyo Lupine	Perennials/Bulbs/Annuals	18"	12"	Deciduous	Sun	Purple			Yes		VL		Yes

# Residential Landscape Design Templates

## Master Plant Substitution List - Low Water Use Plants

Botanical Name	Common Name	Category	Height	Spread	Evergreen or Deciduous	Exposure	Color	Bloom time	Habitat	Native	Edible	WUCOLS	Fire Safer	Deer Resistant
<i>Lupinus sericatus</i>	Cobb Mt. Lupine	Perennials/Bulbs/Annuals	12"	12"	Deciduous	Sun	Purple			Yes		VL		
<i>Nepeta x faassenii</i>	Faassenii's Catmint	Perennials/Bulbs/Annuals	30"	30"	Evergreen	Sun	Blue					L		Yes
<i>Nepeta cataria</i>	Catnip	Perennials/Bulbs/Annuals	36"	36"	Evergreen	Sun	Blue					L		Yes
<i>Nolina spp.</i>	Nolina	Perennials/Bulbs/Annuals	3'	6'	Evergreen	Sun	Foliage					L		
<i>Osteospermum fruticosum</i>	Trailing African Daisy	Perennials/Bulbs/Annuals	24"	36"	Evergreen	Sun	White/Purple					L	Yes	Yes
<i>Pelargonium x hortorum</i>	Garden Geraniums	Perennials/Bulbs/Annuals	36"	36"								L		Yes
<i>Penstemon heterophyllus 'Margarita BOP'</i>	Foothill Penstemon	Perennials/Bulbs/Annuals	18"	18"	Evergreen	Sun	Blue			Yes		VL	Yes	
<i>Penstemon heterophyllus 'Lodega Strain'</i>	Foothill Penstemon	Perennials/Bulbs/Annuals	18"	18"	Evergreen	Sun	Blue			Yes		L		
<i>Penstemon heterophyllus 'Blue Springs'</i>	Foothill Penstemon	Perennials/Bulbs/Annuals	18"	18"	Evergreen	Sun	Blue			Yes		L		
<i>Petroselinum crispum</i>	Parsley	Perennials/Bulbs/Annuals	16"	16"	Deciduous	Sun-Pt Sh	NA					?		Yes
<i>Phormium 'Chocolate Baby'</i>	New Zealand Flax 'Chocolate Ba	Perennials/Bulbs/Annuals	36"	45"		Evergreen	Sun-Pt. Shade					L		Yes
<i>Ranunculus calif.</i>	CA Buttercup	Perennials/Bulbs/Annuals	18"	18"	Deciduous	Sun	Yellow			Yes		VL		Yes
<i>Salvia officinalis</i>	Garden Sage	Perennials/Bulbs/Annuals	18"	3'	Evergreen	Sun	Lavender					L		Yes
<i>Satureja douglassii</i>	Yerba Buena	Perennials/Bulbs/Annuals	18"	3'	Evergreen	Sun-Pt Shade	White			Yes	Yes	L		Yes
<i>Sisyrinchium bellum</i>	Blue Eyed Grass	Perennials/Bulbs/Annuals	16"	16"	Evergreen	Sun	Blue	mar-aug		Yes		VL	Yes	Yes
<i>Stachys byzantine</i>	Lamb's Ear	Perennials/Bulbs/Annuals	16"	30"	Evergreen	Sun	Purple-White					L	Yes	Yes
<i>Symphotrichum chilensis 'Purple Haze'</i>	CA Aster	Perennials/Bulbs/Annuals	3'	3+	Deciduous	Sun- Lt Shade	Purple			Yes		L		Yes
<i>Teucrium costoni</i>	Majorcan Teucrium	Perennials/Bulbs/Annuals	2'	3'	Evergreen	Sun	Lavender	spring/fall		No		VL		
<i>Thymus praecox articus</i>	Mother of Thyme	Groundcover	8"	24"	Evergreen	Sun	Purple-Magenta					L	Yes	
<i>Trichostema 'Midnight Magic'</i>	Woolly Blue Curls	Perennials/Bulbs/Annuals	3'	3'	Evergreen	Sun	Foliage	Summer		Yes		VL		Yes
<i>Verbena bonariensis patagonica</i>	Tall Verbena	Perennials/Bulbs/Annuals	48"	30"	Deciduous	Sun / Pt Shade	Lavender	Spring	Butterflies			VL	Yes	Yes
<i>Wyethia angustifolia, W. glabra</i>	Mules Ears	Perennials/Bulbs/Annuals	3'	3'	Deciduous	Sun	Foliage	Summer	Bees	Yes		L		
<i>Coprosma kirkii</i>	Creeping Coprosma	Groundcover	18"	6'	Evergreen	Sun-Pt Shade	Foliage					L	Yes	Yes
<i>Sedum Autumn Joy</i>	Stone Crop	Succulent	24"	24"	Evergreen	Sun	Rusty Red	Summer	Bee, Butterfly			L		
<i>Sedum divergens</i>	Pacific Stone Crop	Succulent	3"	18"	Evergreen	Sun-Pt Shade	Yellow	Summer	Bee, Butterfly	Yes				Yes
<i>Sedum hispanicum</i>	Spanish Stone Crop	Succulent	2"	8"	Evergreen	Sun-Pt Shade	Foliage	Summer	Bee, Butterfly					Yes
<i>Sedum spathulifolium 'Purpureum'</i>	Purple Pacific Stone Crop	Succulent	4"	10"	Evergreen	Pt. Shade	Foliage	Summer	Bee, Butterfly	Yes				Yes
<i>Sedum spurium cvs</i>	Stonecrop	Succulent	6"	8"	Evergreen	Pt. Shade	Foliage	Summer	Butterfly					Yes
<i>Sedum spectabile 'Brilliant'</i>	Stonecrop	Succulent	24"	24"	Evergreen	Sun	Purple-White		Bee, Butterfly			L	Yes	Yes
<i>Teucrium chamaedrys</i>	Germander	Subshrub	3'	3'	Evergreen	Sun	Purple-Magenta					L		Yes
<i>Thymus vars</i>	Thyme varieties	Groundcover	1-2"	4-8"	Evergreen	Sun	White				Yes	L	Yes	Yes
<b>GRASSES/SEDGES/RUSHES</b>												L		
<i>Bouteloua gracilis 'Blonde Ambition'</i>	Side Oats Gramma	Grasses/Sedges/Rushes	18"	18"	Evergreen		Foliage					L		Yes
<i>Calamagrostis foliosa</i>	Cape Mendocino Reed Grass	Grasses/Sedges/Rushes	18"	18"	Evergreen	Sun to pt shade	Foliage			Yes		L		Yes
<i>Carex densa</i>	Dense Sedge	Grasses/Sedges/Rushes	1'	1'	Evergreen	Sun to pt shade	Foliage			Yes		M/L	Yes	Yes
<i>Carex praegracilis, C. pansa</i>	Slender Field Sedge	Sedges/Turf Alt.	18"	18"	Evergreen		Foliage			Yes		L	Yes	Yes
<i>Carex tumulicola</i>	Foothill Sedge	Grasses/Sedges/Rushes	18"	18"	Evergreen	Sun to pt shade	Foliage			Yes		L	Yes	Yes
<i>Deschampsia caespitosa</i>	Slender Hair Grass	Grasses/Sedges/Rushes	18"	18"	Evergreen	Sun-Pt Shade	Foliage			Yes		L	Yes	Yes
<i>Festuca californica</i>	California Fescue	Grasses/Sedges/Rushes	24"	12"	Evergreen	Pt Shade	Foliage			Yes		L		Yes
<i>Festuca idahoensis</i>	Idahoe Fescue	Grasses/Sedges/Rushes	16"	16"	Evergreen	Sun-Pt Shade	Foliage			Yes		VL		Yes
<i>Festuca rubra</i>	Creeping Red Fescue	Grasses/Turf Alt.	16"	30"	Evergreen	Sun-Pt Shade	Foliage			Yes		L	Yes	Yes
<i>Hordeum brachyanthemum</i>	Meadow Barley	Grasses/Sedges/Rushes	18"	18"	Evergreen					Yes		L		Yes
<i>Juncus patens</i>	Blue Rush	Grasses/Sedges/Rushes	2'	2'	Evergreen	Sun - Pt Shade	Foliage			Yes		M/L	Yes	Yes
<i>Koeleria macrantha (crinata)</i>	June Grass	Grasses/Sedges/Rushes	2'	2'				June		Yes		L		
<i>Muhlenbergia dubia</i>	Pine Muhly Grass	Grasses/Sedges/Rushes	2'	2'	Evergreen	Sun	Foliage			Yes		L		Yes
<i>Muhlenbergia rigens</i>	Deer Grass	Grasses/Sedges/Rushes	3'	3'	Evergreen	Sun	Foliage			Yes		L		Yes
<i>Sporobolus airoides</i>	Alkali Sacaton	Grasses/Sedges/Rushes	30"	30"	Evergreen	Sun	Foliage			Yes		L	Yes	Yes

Residential Landscape Design Templates  
 Master Plant Substitution List - Low Water Use Plants

Botanical Name	Common Name	Category	Height	Spread	Evergreen or Deciduous	Exposure	Color	Bloom time	Habitat	Native	Edible	WUCOLS	Fire Safer	Deer Resistant
<i>Stipa cernua</i>	Nodding needle grass	Grasses/Sedges/Rushes	24"	24"	0.1m - 0.5m	Sun	Foliage			Yes		VL		Yes
<b>NATIVE WILDFLOWERS</b>														
<i>Clarkia amoena whitneyi</i>	Farewell to Spring	Ann/Peren Wildflowers	36"	36"		Sun-Pt Shade	Pink & White			Yes		VL		Yes
<i>Clarkia rubiconda ssp. Bladei</i>	Ruby Clarkia	Ann/Peren Wildflowers	30"	30"		Sun-Pt Shade	Reddish pink			Yes		VL		Yes
<i>Eschscholzia californica</i>	CA Poppies	Ann/Peren Wildflowers	16"	16"	Semi Decid	Sun	Orange	feb- sep		Yes		VL		
<i>Gilia menziesii</i>	Baby Blue Eyes	Ann/Peren Wildflowers	8"	16"		Pt Shade	Blue			Yes		VL		
<i>Gilia tricolor</i>	Bird's Eye Gilia	Ann/Peren Wildflowers	8"	16"		Sun-Pt Shade	Purple/White			Yes		VL		
<i>Platyglossa</i>	Tidy Tips	Ann/Peren Wildflowers	12"	12"		Sun	Yellow/White			Yes		VL		

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 labeled as invasive by the California Invasive Plant Council on their website at <https://www.cal-ipc.org/>