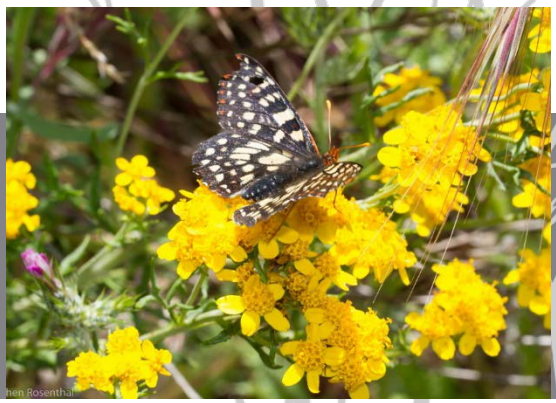
Native Plants for School & Urban Gardens

Southern California

California Native Plant Society



Introduction

Section I: Planning

Section IIa: Planting

Section IIb: Main Database

Section III: Appendices

Written and illustrated by
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CNPS Los Angeles/Santa Monica Mountains Chapter

www.cnps.org/gardening

CONTENT FOREWORD

For the convenience of teachers, the Southern California Native Plants for School & Urban Gardens book has been split into three sections, and saved as four separate PDF files convenient downloading.

- Section I – Planning (pg. 1-20)
- Section IIa – Planting (pg. 21-134)
- Section IIb – Plant Database (pg. 135-164)
- Section III – Appendices (pg. 165 – 171)

These files in part or as a whole are free to educators, those working on school garden projects, and those working on public urban garden sites, but the contents of the files may not be sold without permission of the Los Angeles/Santa Monica Mountains Chapter of the California Native Plant Society. The Los Angeles/Santa Monica Chapter will print copies of the book in small quantities for special orders.

The book, Southern California Native Plants for School & Urban Gardens and the author, Betsey Landis, should be cited as the source of any information, illustrations or photos from this book used in electronic media or in print.

INLAND SCRUB

CREOSOTE BUSH DESERT WASH WITH BOTANIST
Southern California Native Plants for School Gardens (Photos by Betsey Landis)

SOUTHERN CALIFORNIA NATIVE PLANTS
FOR
SCHOOL & URBAN GARDENS

by Betsey Landis

The plant in the top photo with the graceful stalks of blue flowers is woolly blue curls. The plant in the foreground with the spiky leaves is probably a nolina. This inland scrub is on sandstone in the Santa Ana Mountains above Coal Canyon.

The bottom photo is a desert wash in Red Rock Canyon State Park on the eastern side of the Sierras. There are creosote bushes and many other low-growing shrubs. The botanist is looking for the small flowering plants hiding in the shade or in the water drainages in the wash.

MONTANE PINE WOODLAND

GRASSLAND

Southern California Native Plants for School Gardens (Photos by Betsey Landis)

SOUTHERN CALIFORNIA NATIVE PLANTS
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The top photo is a pine woodland above Lake Tahoe. The pines are probably Jeffrey pines which are common in the Sierra Nevada.

The bottom photo is a large meadow in Rocky Oaks, a park in the Santa Monica Mountains. The blue flowers in the background are a small iris called blue-eyed grass. The bright rosy clover in the foreground is called owl's clover. This is part of a grassland dominated by native bunchgrasses.

SOUTHERN CALIFORNIA NATIVE PLANTS FOR SCHOOL & URBAN GARDENS

by Betsey Landis
Los Angeles / Santa Monica Mountains Chapter
California Native Plant Society
Revised August 2011
Available in three sections as pdf files

Section IIb: MAIN DATABASE

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SOUTHERN CALIFORNIA NATIVE PLANTS FOR SCHOOL AND URBAN GARDENS

	COMMON NAME(*=thorns) *NEW SCIENTIFIC NAME* (*OLD SCIENTIFIC NAME*)	HABITAT (ALTITUDE) ('=feet)	FLOWER TIMES	GROWTH 1y/Max Ht. Width	SOIL TYPE (pH)	WATER NEEDS	SUN or SHADE	ATTRACTS BIRDS or INSECTS	FRUITS: EDIBLE? YES or NO	NATIVE AMERICAN USES
	TREES (Woody trunk or trunks, 20 feet or taller when mature)									
1	Bigleaf Maple *Acer macrophyllum*	Riparian (<5000')	Spring	10'/50' 20'spread	clay (pH 4-8)	moderate to ample	cool sun		no	baskets
2	White Alder *Alnus rhombifolia*	Riparian (300-8000')	Winter- Spring	10'/50' 40'spread	clay,sandy (pH 4-8)	ample	full sun		no	dyes, to smoke meat
3	Madrone *Arbutus menziesii*	Woodland (300-5000')	Spring	5-10'/40+' 30+'spread	loam (pH 4-6.5)	deep water	cool sun	birds	yes	food, tools, medicine
4	Incense Cedar *Calocedrus decurrens*	Montane Woodland (1100-8000')	mature seeds:Fall	1'/75' 30+'spread	clay (pH 5-8)	deep water	full sun		no	tools, baskets
5	Mountain Dogwood *Cornus nuttallii*	Montane Woodland (3000-6000')	Spring, Fall	?/40' 20'spread	loam (pH 4-7)	deep water drain well	shade	all	yes	dye, tools, medicine
6	Flowering Ash *Fraxinus dipetala*	Chaparral, Riparian (300-4000')	Spring	6'/20'	clay (pH 6-8)	moderate	cool sun	insects	no	medicine
7	Arizona Ash *Fraxinus velutina*	Riparian (600-5000')	Spring	10'/30'	clay,sandy (pH 6-8)	small	cool sun		no	medicine
8	Toyon *Heteromeles arbutifolia*	CSS,Chaparral, Woodland (<4500')	Summer	1'/15'(30') 15'spread	clay,sandy (pH 5-8)	small	full sun	all	yes	food
9	California Walnut *Juglans californica*	Chaparral, Woodland (150-3000')	Spring	1'/25' 20'spread	clay,loam (pH 6-8)	small	cool sun	birds	yes	food, dye
10	Fernleaf Catalina Ironwood *Lyonothamnus floribundus*	Island Chaparral (60-1700')	Spring, Summer	?/60' 30'spread	clay (pH 5-8)	deep water drain well	full sun	insects	no	
11	Wax Myrtle *Morella californica* (*Myrica californica*)	CSS, Forest (<500')	Spring	?/35' 10'+spread	clay,sandy (pH 4-7.5)	deep water drain well	cool sun		no	
12	Coulter Pine *Pinus coulteri*	Montane Wdlnd Woodland (<10,000')	mature seeds in 2-3 years	1'/60'	clay,sandy (pH 5-7.5)	small	full sun		yes	food, gum, medicine
13	Singleleaf Pinyon Pine *Pinus monophylla*	Pinyon-Juniper Woodland (<9000')	20 years before tree bears seeds	4'/20'	sandy (pH 6-7.5)	small	full sun	birds	yes	food, gum, medicine

CSS=Coastal Sage Scrub
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	COMMON NAME(*=thorns) *NEW SCIENTIFIC NAME* (*OLD SCIENTIFIC NAME*)	HABITAT (ALTITUDE) ('=feet)	FLOWER TIMES	GROWTH 1y/MaxHt. Width	SOIL TYPE (pH)	WATER NEEDS	SUN or SHADE	ATTRACTS BIRDS or INSECTS	FRUITS: EDIBLE? YES or NO	NATIVE AMERICAN USES
	TREES(continued)									
14	Digger Pine *Pinus sabiniana*	Foothill Woodland (300-5000')	mature seeds 2 yrs	1'/45'	clay (pH 6-8)	small	full sun	birds	yes	food, gum, medicine
15	Western Sycamore *Platanus racemosa*	Riparian (<6500')	Winter- Spring	3'/75'	silty,sandy (pH 5-8)	ample	full sun	all	no	building materials
16	Western Cottonwood *Populus fremontii* ssp, *fremontii*	Riparian (<6500')	Spring	30'/80'	silty,sandy (pH 6-8)	ample	full sun	all	no	food: bark building materials
17	Black Cottonwood *Populus trichocarpa* (*P. balsamifera* ssp. *trichocarpa*)	Riparian (<9000')	Spring	30'/100'	clay,sandy (pH 4-7)	moderate	cool sun	all	no	food:bark building materials
18	Hollyleaf Cherry *Prunus ilicifolia* ssp. *ilicifolia* (*=spiny-edged leaves)	Chaparral, Woodland (<5000')	Spring	?/25' 10'+spread	clay,sandy (pH 4-8)	small drain well	cool sun	all	yes	food
19	Catalina Cherry *Prunus ilicifolia ssp. lyonii* (*Prunus lyonii*)	Island Chaparral (<2000')	Spring	?/50' 15'spread	clay,sandy (pH 5-7.5)	moderate deep water	full sun	all	yes	food
20	Big Cone Spruce *Pseudotsuga macrocarpus*	Chaparral, Woodland (600-8000')	mature seeds 1st year	?/60' 25'spread	sandy, loam (pH 6-7.5)	small	full sun	birds	no	roots: baskets
21	Coast Live Oak *Quercus agrifolia* (*=spiny-edged leaves)	Chaparral, Riparian, Woodland (<5000')	Spring	3'/80' 50'spread	clay,sandy (pH 4-8)	deep water drain well	cool sun	all	yes:with processing	food:acorns very good
22	Canyon Live Oak *Quercus chrysolepis*	Woodland (600-8500')	Spring	3'/60'	clay (pH 6-8)	deep water	cool sun	all	yes:with processing	food: acorns poor taste
23	Engelmann Oak *Quercus engelmannii*	Savanna, Woodland (<4200')	Spring	2'/50' widespread	clay loam	deep water	cool sun	all	yes:with processing	food: acorns poor taste
24	Calif. Black Oak *Quercus kelloggii*	Hill Woodland (600-8000')	Spring	2'/80'	clay, sandy (pH 5-7.5)	deep water drain well	full sun	all	yes:with processing	food: acorns very good
25	Valley Oak *Quercus lobata*	Savanna, Woodland (<5500')	Spring	2-4'/70' widespread	clay,loam (pH 6-8)	deep water drain well	full sun	all	yes:with processing	food: acorns poor taste

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	TREES (continued)									
26	Island Oak *Quercus tomentella*	Chaparral, Woodland (<1900')	Spring	?/40' 25'+spread	loam	deep water drain well	cool sun fog	all	yes:with processing	food: acorns
27	Narrowleaf Willow *Salix exigua*	Riparian (<8000')	Spring	2'/20'	sandyloam (pH 6.5-8)	ample	cool sun	butterflies, birds	no	medicine, poles,baskets
28	Red Willow *Salix laevigata*	Riparian (<5000')	Spring	6'/45' 25'+spread	clay,gravel (pH 6-7.5)	ample	cool sun	butterflies, birds	no	medicine, poles,baskets
29	Arroyo Willow *Salix lasiolepis*	Riparian (<7000')	Spring	4'/30' 20'+spread	clay,sandy (pH 5-7.5)	ample	cool sun	butterflies, birds	no	medicine, poles,baskets
30	Blue Elderberry *Sambucus nigra* ssp. *caerlea* (*Sambucus mexicana*)	Chaparral, Riparian, Woodland (<4500')	Spring, Summer	?/20' 15'+spread	clay (pH 5-7)	moderate	cool sun	all	yes	food, medicine, dye,flutes
31	California Bay *Umbellularia californica*	Chaparral, Riparian, Woodland (<5000')	Winter	4'/80' 25'+spread	loam (pH 5-7.5)	moderate	cool sun	all	yes	food, medicine, bowls
32	Joshua Tree(*=leaves) *Yucca brevifolia*	Joshua Tree Woodland (1600-6000')	Spring	?/40'	sandy, gravel (pH 6-8.5)	small	full sun	all	no	food:flowers fibers
	SHRUBS (May be perennials, includes cacti. Shrubs have woody stems, often multiple stems & are <20 feet tall.)									
1	Chamise *Adenostoma fasciculatum*	CSS,Chaparral, Woodland (<5000')	Spring	?/10'	clay,sandy (pH 5-8)	small	full sun	all	no	wood,arrows, medicine
2	Red Shank *Adenostoma sparsifolium*	Chaparral, Woodland (<6000')	Summer	?/19'	clay,sandy (pH 7-9)	small	full sun	all	no	
3	Burroweed (*=spiny flowers,fruit) *Ambrosia dumosa*	Creosote Bush (<4000')	Spring	?/4'	sandy	small	full sun		no	
4	False Indigo *Amorpha californica*	Chaparral, Woodland (<7500')	Spring- Summer	?/10' 10'spread	loam (pH 6-8)	deep water	shade	California Dogface butterflies	no	

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	SHRUBS (continued)									
5	Eastwood Manzanita *Arctostaphylos glandulosa*	Chaparral (1000-6000')	Spring	?/8' 10'spread	clay,sandy (pH 5.5-8)	small	cool sun	all	yes	food, tools, medicine
6	Big Berry Manzanita *Arctostaphylos glauca*	Chaparral (<4500')	Winter	?/13' spreads	clay,sandy (pH 6-8)	deep water drain well	full sun	all	yes	food, tools, medicine
7	California Sagebrush *Artemisia californica*	CSS,Chaparral, Woodland (<2500')	Fall	fast/5' 4'spread	clay,sandy (pH 5-8.5)	small drain well	full sun	all	no	medicine
8	Great Basin Sagebrush *Artemisia tridentata* ssp.*tridentata*	Sage Scrub, Pinyon-Juniper Woodland (1000-2500')	Fall	?/10'	sandy (pH 6-8.5)	small drain well	full sun	all	yes:with processing	food, medicine, house construction
9	Four-wing Salt Bush *Atriplex canescens*	Creosote Bush, Strand (<7000')	Summer	?/10'	sandy (pH 7-9)	small	full sun		yes:with processing	food, soap
10	Quail Bush *Atriplex lentiformis*	CSS,Grassland (<5000')	Summer- Fall	?/10' 10'spread	sandy (pH 6-9)	small	full sun	birds	yes	food, soap, medicine
11	Alkali Saltbush *Atriplex polycarpa*	Creosote Bush, Scrub (<5000')	Summer- Fall	?/6'	sandy (pH 7-9)	small	full sun	birds	?	
12	Coyote Bush *Baccharis pilularis*	CSS,Woodland (<2500')	Fall	fast/8' 8'spread	clay,sandy (pH 5-8)	water 1st year	full sun	birds	no	
13	Mule Fat *Baccharis salicifolia* (*B. glutinosa, B. viminea*)	CSS,Chaparral, Riparian (<2500')	Winter- Spring	fast/10' 8'spread	clay,sandy (pH 6-8)	water 1st year	full sun	birds	no	medicine, poles
14	Nevin's Barberry(*=spiny leaves) *Berberis nevinii* (*Mahonia nevinii*)	Chaparral, Riparian (<2000')	Spring	fast/12' 12'spread	clay,sandy (pH 6-8.5)	small	cool sun	birds	no	
15	Brickel Bush *Brickellia californica*	CSS,Chaparral (<8000')	Fall	?/3' 2'spread	clay,sandy (pH 5-7.5)	small	cool sun		no	
16	Hoary-leaf Ceanothus *Ceanothus crassifolius*	Chaparral (<3500')	Winter- Spring	?/12' 8'spread	clay loam (pH 6-8)	small	full sun	all	no	medicine,soap roots:dye
17	Buckbrush *Ceanothus cuneatus*	Chaparral (<6000')	Spring	?/12' 8'spread	clay,sandy (pH 6-8)	small drain well	full sun	butterflies	no	

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	SHRUBS (continued)									
18	Lakeside Lilac *Ceanothus cyaneus*	CSS, Chaparral (<1300')	Spring, rarely in fall	?/15' grows fast	rocky, gravel (pH 6-8)	small drain well	full sun	all	no	roots:dye
19	Whitebark Ceanothus *Ceanothus leucodermis* (*=spine-like twigs)	Chaparral, Woodland (<6000')	Spring	?/12' 8'spread	sandy (pH 5.5-7.5)	small	full sun	butterflies	no	roots:thread
20	Bigpod Ceanothus *Ceanothus megacarpus*	Chaparral (<2000')	Winter- Spring	?/12' 8'spread	clay,sandy (pH 6-8)	small drain well	full sun	butterflies	no	
21	Hairy-leaf Ceanothus *Ceanothus oliganthus*	Chaparral (<4500')	Winter- Spring	?/10'	sandy	small	full sun	butterflies	no	
22	Greenbark Ceanothus *Ceanothus spinosus* (*=spine-like twigs)	Chaparral, Woodland (<3000')	Spring	?/20' 10'+spread	clay,sandy (pH 6-8)	small	full sun	butterflies	no	
23	Warty-stem Ceanothus *Ceanothus verrucosus*	Chaparral, Coastal Pine Woodland (<1000')	Winter- Spring	?/10'	sandy, rocky	small drain well	full sun	all	no	roots:dye
24	Mountain Mahogany *Cercocarpus betuloides*	Chaparral, Woodland (<6000')	Spring	2'/20' 10'spread	clay,sandy (pH 5-8)	small	full sun	all	no	roots:tools arrows,pipe
25	Desert Willow *Chilopsis linearis* ssp.*arcuata*	Desert Riparian (<5000')	Spring- Summer	3'/20' 15'spread	clay,sandy (pH 6-9)	deep water drain well	full sun	all	yes	food,tools, bark:fiber
26	Summer Holly *Comarostaphylis diversifolia*	Chaparral (400-1900')	Spring	slow/17' 8'+spread	clay (pH 6-8)	small drain well	full sun		no	
27	Brown Dogwood *Cornus glabrata*	Riparian (<5000')	Spring	?/10'	loam (pH 5-7.5)	ample	shade	butterflies	no	
28	Dogwood *Cornus sericea* (*Cornus stolonifera*)	Riparian, Woodland (<9000')	Summer	2'/15' 10'+spread	loam (pH 4-7)	ample	shade	all	no	baskets, medicine
29	Bush Poppy *Dendromecon rigida*	Chaparral (<6000')	Spring	fast/10' 8'spread	clay,sandy (pH 5.5-8)	small drain well	full sun		no	
30	Bush Sunflower *Encelia californica*	CSS, Chaparral (<2000')	Winter- Spring	fast/4' 4'spread	clay,sandy (pH 6-8)	small drain well	full sun	butterflies	no	

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	SHRUBS (continued)									
31	Incienso, Desert Brittlebush *Encelia farinosa*	Creosote Bush, CCS (<3000')	Spring	fast/3' 4'spread	sandy (pH 7-9)	small drain well	full sun		no	medicine
32	Desert Tea *Ephedra californica*	Chaparral, Creosote Bush (<3000')	Spring: seed cones	?/5'	sandy (pH 7-8.5)	small	full sun	birds	no	beverage: medicine
33	Green Tea *Ephedra viridis*	Creosote Bush, Pinyon-Juniper (3000-7000')	Spring: seed cones	?/4'	sandy, rocky (pH 7-9)	small	full sun	birds	no	beverage: medicine
34	Narrow-leaved Goldenbush *Ericameria ericoides* *(Haplopappus ericoides)*	CSS, Strand, Creosote Bush (<1600')	Fall	?/4' 3'spread	sand (pH 7-8)	small drain well	full sun		no	
35	Black-Stem Rabbitbrush *Ericameria paniculata* (*Chrysothamnus paniculatus*)	Desert Riparian (1500-4500')	Summer- Fall	?/6'	gravel,silt	small	full sun	butterflies	no	blossoms:dye
36	Yerba Santa *Eriodictyon crassifolium*	Chaparral, Pinyon-Juniper (100-6000')	Spring	?/5' spreads	gravel (pH 6-8)	small drain well	full sun		no	medicine
37	Ashy-leaf Buckwheat *Eriogonum cinereum*	CSS, Strand (<1600')	Summer- Fall	?/4' 4'spread	sandy (pH 6-8)	small	full sun	butterflies bees	no	medicine
38	California Buckwheat *Eriogonum fasciculatum*	CSS,Chaparral, Woodland (<7500')	Summer- Fall	?/5' 6'spread	clay,sandy (pH 6-7.5)	small	full sun	butterflies, bees	no	food: flowers medicine
39	St. Catherine's Lace *Eriogonum giganteum* var. *giganteum*	CSS,Chaparral, Island (<1500')	Spring- Summer	?/6'+ 6'spread	clay,sandy (pH 6-8)	small	full sun	butterflies, bees	no	
40	Seacliff Buckwheat *Eriogonum parvifolium*	CSS, Strand (<2000')	Summer- Fall	?/3' 6'spread	sandy (pH 5-7.5)	small	cool sun	butterflies, bees	no	
41	Apache Plume *Fallugia paradoxa*	Pinyon-Juniper (4000-7000')	Spring	?/6' 5'spread	clay,rocks (pH 6-8.5)	small drain well	full sun		no	
42	Desert Olive (*=spine-like twigs) *Forestiera pubescens* (*Forestiera neomexicana*)	CSS,Chaparral, Creosote Bush (300-6000')	Spring	3'/15' 10'spread	clay,stony (pH 6-8)	moderate to small	full sun		no	

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	SHRUBS (continued)									
43	California Coffeeberry *Frangula californica* (*Rhamnus californica*)	Chaparral, Woodland (<3500')	Spring	fast/15' 10'spread	clay,sandy (pH 5-8)	small	cool sun	butterflies	no	medicine
44	Island Snapdragon *Gambelia speciosa* (*Galvezia speciosa*)	CSS, Island (<1500')	Winter- Spring	2'/4' 20'+spread	clay,sandy (pH 6-8)	small drain well	cool sun	hummingbird	no	
45	Silktassel Bush *Garrya veatchii*	Chaparral, Woodland (800-6000')	Winter- Spring	?/6'	clay (pH 6-8)	deep water drain well	cool sun		no	
46	Hopsage (*=spine-like twigs) *Grayia spinosa*	Creosote Bush, Pinyon-Juniper (1600-7500')	Spring	?/4'	clay,sandy (pH 7-9)	small	full sun	birds	no	
47	Goldenbush *Hazardia squarrosa* *(Haplopappus squarrosus)*	CSS,Chaparral (<4500')	Summer- Fall	?/3' 3'spread	clay (pH 5.5-8)	small	full sun		no	
48	Our Lord's Candle(*=leaves) *Hesperoyucca whipplei* (*Yucca whipplei*)	CSS,Chaparral, Creosote Bush (<4000')	Spring	3'/12'	clay,sandy (pH 6-8)	small	full sun	moth all	no	food:flowers & stalks
49	Toyon (*=spiny-edged leaves) *Heteromeles arbutifolia*	CSS,Chaparral, Woodland (<4000')	Summer	?/15'(30') 15'spread	clay,sandy (pH 5-8)	deep water drain well	full sun	birds	yes	food,wood, medicine
50	Cream Bush, Ocean Spray *Holodiscus discolor*	Island Riparian, Woodland (<6000')	Spring- Summer	fast/20' spreads	clay,sandy (pH 5.5-8)	moderate	cool sun		no	food: flowers
51	Desert Lavender *Hyptis emoryii*	Creosote Bush (<3000')	Winter- Spring	2'/10' 3'spread	sandy (pH 6.5-8)	small drain well	full sun	bees	no	medicine
52	California Juniper *Juniperus californica*	Pinyon-Juniper (150-5000')	mature seeds-2yrs	1'/20'	clay,sandy (pH 7-8)	small	full sun	birds	yes	food, fiber, medicine
53	Creosote Bush *Larrea tridentata*	Creosote Bush (<5000')	Spring	1'/13' spreads	sandy (pH 6.5-9)	small drain well	full sun		no	medicine, firewood
54	White Pitcher Sage *Lepechinia fragrans*	Chaparral (<3000')	Spring	?/5' 2'+spread	rocky (pH 6-7)	small drain well	full sun	hummingbird	no	

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	COMMON NAME(*=thorns) *NEW SCIENTIFIC NAME* (*OLD SCIENTIFIC NAME*)	HABITAT (ALTITUDE) ('=feet)	FLOWER TIMES	GROWTH 1y/MaxHt. Width	SOIL TYPE (pH)	WATER NEEDS	SUN or SHADE	ATTRACTS BIRDS or INSECTS	FRUITS: EDIBLE? YES or NO	NATIVE AMERICAN USES
	SHRUBS (continued)									
55	Scale Broom *Lepidospartum squamatum*	Chaparral or Scrub Riparian (<5000')	Fall	?/6'	sandy, gravel (pH 7-8)	deep water drain well	full sun	bees	no	
56	Giant Coreopsis *Leptosyne gigantea* (*Coreopsis gigantea*)	CSS, Strand, Island (<200"	Spring	?/4' 2'spread	sand (pH 5-7)	small drain well	full sun	all	no	
57	California Honeysuckle *Lonicera hispidula*	Chaparral Riparian, Woodland (<3500')	Spring- Summer	vine-like to 20'	clay,sandy (pH 5-7)	deep water drain well	cool sun	birds, bees	yes,bitter taste	baskets
58	Wild Honeysuckle *Lonicera subspicata*	Chaparral (<3000')	Summer	vine-like to 8'	clay,sandy (pH 4-7.5)	deep water drain well	cool sun	birds, bees	no	baskets
59	Bush Mallow *Malacothamnus fasciculatus*	CSS, Chaparral (<2500')	Spring- Summer	fast/12' 12'spread	clay (pH 6-7)	small	cool sun	all	no	
60	Laurel Sumac *Malosma laurina*	CSS, Chaparral (<4000')	Summer	?/15' 12'+spread	clay,sandy (pH 6-7.5)	small	full sun	all	no	
61	Bush Monkey Flower *Mimulus aurantiacus* var. *pubescens* (*Mimulus longiflorus*)	CSS, Chaparral (<5000')	Spring- Summer	?/2' 2'spread	clay,sandy (pH 6-8)	small	full sun	butterflies	no	
62	Parry's Nolina (*=leaves) *Nolina parryi*	CSS, Chaparral (3500-5500')	Spring	?/4' 3-6'spread	clay (pH 6-8)	small drain well	cool sun		no	
63	Beaver-tail Cactus(*=pads, fruits) *Opuntia basilaris*	Chaparral, Creosote Bush, Pinyon-Juniper (400-7000')	Spring	?/1-2' spreads	sandy,rocky (pH 6-8)	small	full sun		yes	food:pads & fruit
64	Coast Prickly Pear(*=pads, fruits) *Opuntia littoralis*	CSS, Chaparral (30-1300')	Spring	?/1-2' spreads	clay,sandy (pH 6-8)	small	full sun		yes	food:pads & fruit
65	Prickly Pear(*=pads, fruits) *Opuntia oricola*	CSS, Chaparral (10-1300')	Spring	?/8' spreads	clay,sandy (pH 6-8)	small	full sun		yes	food:pads & fruit
66	Bladderpod *Peritoma arborea* (*Isomeris arborea*)	CSS, Creosote Bush (0-4000')	All year	?/6' 5'spread	clay,sandy (pH 7-9)	small	full sun	butterflies	yes:with processing	food

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	COMMON NAME(*=thorns) *NEW SCIENTIFIC NAME* (*OLD SCIENTIFIC NAME*)	HABITAT (ALTITUDE) ('=feet)	FLOWER TIMES	GROWTH 1y/MaxHt. Width	SOIL TYPE (pH)	WATER NEEDS	SUN or SHADE	ATTRACTS BIRDS or INSECTS	FRUITS: EDIBLE? YES or NO	NATIVE AMERICAN USES
	SHRUBS (continued)									
67	Chaparral Pea(*=spiny twigs) *Pickeringia montana*	Chaparral (<5000')	Spring- Summer	?/8' spreads	clay (pH 5.5-7.5)	small deep water	full sun	bees	no	
68	Arrow Weed *Pluchea sericea*	Chaparral and Desert Riparian (<2000')	Spring	?/15' spreads	sandy,silt (pH 7-9)	ample	full sun	birds	no	food, arrows, buildings
69	Desert Almond (*=spiny twigs) *Prunus fasciculata*	Creosote Bush, Pinyon-Juniper (2500-6000')	Spring	?/8'	clay,sandy (pH 7-7.5)	small	full sun		yes	food
70	Hollyleaf Cherry *Prunus ilicifolia* ssp. *ilicifolia* (*=spiny-edged leaves)	Chaparral, Woodland (<5000')	Spring	?/25' 10'+spread	clay,sandy (pH 4-8)	small drain well	cool sun	birds	yes	food
71	Waxy Bitter Bush *Purshia tridentata* ssp. *glandulosa* (*Purshia glandulosa*)	Chaparral, Pinyon-Juniper (2500-8000')	Spring	?/10' 8'spread	clay,sandy (pH 6-8)	small	full sun	all	no	
72	Scrub Oak *Quercus berberidifolia* (*Quercus dumosa*)	Chaparral, Woodland (<5000')	Spring	1'/15' 8'spread	clay,sandy (pH 6-8)	small deep water	cool sun	all	yes:with processing	food:acorns wood, medicine
73	San Gabriel Mts. Leather Oak *Quercus durata* var. *gabrielensis* (*=spiny-edged leaves)	Chaparral (<5000')	Spring	?/10'	clay, serpentine (pH 5.5-7)	small deep water	cool sun	all	?	?
74	Oregon Oak *Quercus garryana* var. *breweri* (*Quercus garryana* var.*semota*)	Chaparral, Pine Forest (2500-5000')	Spring	?/15'	clay	small deep water	cool sun	all	yes:with processing	?
75	Interior Live Oak *Quercus wislizenii* var.*frutescens*	Chaparral, Woodland (1000-6000')	Spring	?/13' 13'spread	sandy clay (pH5.5-7)	small to moderate	full sun	all	yes:with processing	?
76	Spiny Redberry (*=spiny twigs) *Rhamnus crocea*	CSS, Chaparral (<3000')	Spring	?/4' 4-6'spread	clay,sandy (pH 5-7)	small drain well	cool sun	butterflies	yes:with processing	medicine,food
77	Hollyleaf Redberry *Rhamnus ilicifolia* (*Rhamnus crocea* ssp.*ilicifolia*) (*=spiny-edged leaves)	Chaparral, Pine Forest (<5000')	Spring	?/12' 6'spread	clay,sandy (pH 6-8)	small	cool sun	butterflies	no	

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	SHRUBS (continued)									
78	Lemonade Berry *Rhus integrifolia*	CSS, Chaparral (<2600')	Winter- Spring	?/20' 10'spread	clay,sandy (pH 5-8)	small	full sun	all	see recipe	beverage, medicine
79	Sugar Bush *Rhus ovata*	Chaparral, Woodland (<4000')	Spring	?/20' 10'spread	clay,sandy (pH 6-8)	small	full sun	all	see recipe	beverage, medicine
80	Squaw Bush *Rhus trilobata*	Chaparral, Woodland (1500-6000')	Spring	?/5' 5'+spread	clay,sandy (pH 6-8)	small	cool sun	butterflies	yes	food,medicine baskets
81	Golden Currant (*=spiny stems) *Ribes aureum* var. *gracillimum*	Riparian Woodland (<2500')	Spring	fast/8' 7'spread	gravel,silt (pH 6-7.5)	moderate	cool sun	all	yes	food
82	Hillside Gooseberry *Ribes californicum* var.*hesperium* (*=spiny stems and fruit)	Chaparral, Woodland (<3000')	Winter	?/5'	sandy clay (pH 6-8)	moderate	cool sun	all	yes	food
83	Chaparral Currant *Ribes malvaceum*	Chaparral, Woodland (<3000')	Winter	2'/8' 5'spread	sandy clay (pH 5.5-7)	small	cool sun	all	yes	food
84	Fuschia-flowered Gooseberry *Ribes speciosum* (*=spiny stems and fruit)	CSS,Chaparral (<2000')	Winter- Spring	?/8' 6'spread	clay,sandy (pH 4-7.5)	small drain well	cool sun	all	yes	food
85	California Rose (*=spiny stems) *Rosa californica*	Riparian (<6000')	Spring- Summer	2'/8' 20'+spread	clay,sandy (pH 5-8)	moderate	cool sun	all	yes	food:buds medicine
86	Wood Rose (*=spiny stems) *Rosa gymnocarpa*	Chaparral,Forest (100-6000')	Spring- Summer	1'/6' 4'spread	loam (pH 5-7)	moderate	shade	all	yes	food:buds dye,baskets
87	Fragrant Rose(*=spiny stems) *Rosa woodsii* var.*ultramontana* (*Rosa woodsii* var.*glabrata*)	Desert Riparian (3000-4000')	Spring- Summer	2'/10'	sandy (pH 6-8)	moderate	cool sun	all	yes	food:buds tea,medicine
88	Thimbleberry *Rubus parviflorus*	Forest Riparian (<8000')	Spring- Summer	2'/6' spreads	loam	moderate deep water	shade	all	yes	food
89	California Blackberry *Rubus ursinus* (*=spiny stems)	Chaparral and Woodland Riparian (<5000')	Spring	mounds spreads	clay,sandy	moderate	cool sun	all	yes	food, medicine

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	SHRUBS (continued)									
90	Sandbar Willow (really a shrub) (*Salix hindsiana*)	Riparian (<3000')	Spring	3'/20' 10+spread	sandy (pH 6-7.5)	ample	cool sun	butterflies, birds	no	medicine, poles, baskets
91	Longleaf Willow (really a shrub) *Salix melanopsis*	Riparian (2500-7500')	Spring	2'/16'	loam	ample	cool sun	butterflies, birds	no	baskets
92	White Sage *Salvia apiana*	CSS,Chaparral, Pine Forest (<5000')	Spring, Summer	?/5' 5'spread	sandyloam (pH 6.5-8.5)	small	full sun	all	yes:with processing	food,twine medicine
93	Desert Sage *Salvia dorrii* var. *dorrii*	Pinyon-Juniper Scrub (2500-9000')	Spring- Summer	?/3' forms mat	sandy, gravel (pH 6-8.5)	small drain well	full sun	all	no?	medicine
94	Purple Sage *Salvia leucophylla*	CSS (150-2500')	Spring- Summer	?/5' 4'spread	clay,sandy (pH 6-8)	small	full sun	all	no?	
95	Black Sage *Salvia mellifera*	CSS, Chaparral (<2000')	Spring- Summer	?/5' 6'spread	sandyloam (pH 4-8)	small drain well	full sun	all	yes:with processing	food, medicine
96	Bladder-sage,Paperbag Bush *Scutellaria mexicana* (*Salazaria mexicana*) (*=spiny branchlets)	Creosote Bush, Woodland (<5000')	Spring	?/3'	loam (pH 6.5-8.5)	small drain well	full sun	?	no	
97	Catclaw/Wait-a-bit (*=spines) *Senegalia greggii* (*Acacia greggii*)	Desert Riparian, Pinyon-Juniper (<6000')	Spring	?/6'	sandy (pH 6-8.5)	small	full sun	birds	yes	food,wood, buds:sachet
98	Spiny Senna (*=spines) *Senna armata* (*Cassia armata*)	Creosote Bush (650-4000')	Spring	?/3'	sandy, gravel (pH 7-9)	small drain well	full sun		no	
99	Blue Witch *Solanum umbelliferum* (*Solanum umbelliferum* var. *incanum*)	Chaparral, Woodland (<4500')	Summer- Fall	1'/2'	clay,gravel (pH 6-8)	small	cool sun	insects	no	
100	Snowdrop Bush,Snowbell Bush *Styrax redivivus* (*Styrax officinalis*)	Chaparral,Island, Woodland (<5000')	Spring	2'/14'	loam (pH 7?)	moderate deep water	cool sun	all	no	
101	Creeping Snowberry *Symphoricarpos mollis*	Chaparral,Island, Woodland (<5000')	Spring	1'/3' 6'spread	clay (pH 4-7)	moderate deep water	shade	all	no	

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	SHRUBS (continued)									
102	Roundleaf Snowberry *Symphoricarpos rotundifolia* var. *parishii* (*Symphoricarpos parishii*)	Montane Woodland (4000-11000')	Summer	1'/4' spreads	granitic (pH 5-7.5)	ample	shade	all	no	
103	Woolly Blue Curls *Trichostemma lanatum*	CSS, Chaparral (<4500')	Spring- Summer	4'/4' 4'spread	clay,gravel (pH 6-7.5)	small drain well	cool sun	all	no	medicine
	PERENNIALS (Herbaceous perennials, may have woody base, subshrubs, also succulents.)									
1	Sand Verbena *Abronia umbellata*	Strand, Island (<300')	All	2'/2' 6'spread	sand (pH 5-7)	moderate to small	full sun	butterflies	no	
2	White Yarrow *Achillea millefolium*	CSS, Chaparral (<3000')	Spring- Summer	3'/3' spreads	all (pH 4-8)	small	full sun	butterflies	no	medicine
3	Deerweed *Acmispon glaber* (*Lotus scoparius*)	CSS, Chaparral, Strand (<5000')	Spring- Summer	3'/3' 3'+spread	clay,sandy (pH 5.5-8)	small	full sun	insects	no	building material
4	Shaw's Agave(*=spiny leaves) *Agave shawii* var. *shawii*	Coastal Bluffs (<1600')	Fall-Spring	<3'/10' spreads by clumps	sandy	small	full sun		yes: with processing	food:stalk,pod, & flowers fiber,medicine
5	Licorice Mint *Agastache urticifolia*	Riparian (1300-9000')	Summer	5'/5'	loam	ample	shade	butterflies	no	
6	Yerba Mansa *Anemopsis californica*	Riparian,Marsh (<6500')	Spring- Fall	1.6/1.6'	silt,sandy (pH 5-9)	ample	cool sun		no	medicine
7	Columbine *Aquilegia formosa* (*A. formosa* var.*truncata*)	Riparian (<8000')	Summer	2'/5'	clay,gravel (pH 4-7.5)	ample	cool sun	all	no	ritual medicine
8	Spikenard *Aralia californica*	Riparian (<6000')	Summer	3'/9'	clay,sandy	ample	cool sun		no	
9	Mugwort *Artemisia douglasiana*	Riparian (<7000')	Summer- Fall	5'/5' 3' spread	sandy clay	moderate	shady		no	medicine, arrow shafts
10	Indian Milkweed *Asclepias eriocarpa*	Chaparral, Woodland (<7000')	Summer	3'/3'	clay (pH 6-8)	small	full sun	monarch butterfly	no	twine, gum

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	PERENNIALS (continued)									
11	Narrowleaf Milkweed *Asclepias fascicularis*	Chaparral, Riparian, Woodland (<7000')	Summer	3'/3'	clay,loam (pH 6-8)	small	full sun	monarch butterfly	no	medicine, twine
12	Locoweed *Astragalus trichopodus*	CSS,Grassland (<4000')	Winter- Spring	2'/2'	sandy, rocky	small	full sun	butterflies	no	spice?
13	San Diego Sunflower *Bahiopsis laciniata* *Viguiera laciniata*	CSS, Chaparral (<4500')	Spring	3-4'/4' 7'spread	clay,sandy	small	full sun	all	no	
14	Desert Sunflower *Bahiopsis parishii* (*Viguiera parishii*)	Creosote Bush (<5000')	Winter- Spring, Fall	3'/3' 7'spread	clay,sandy (pH 6-8?)	small	full sun	all	no	
15	Elegant Rock Rose *Boechera californica* (*Arabis sparsiflora* var.*californica*)	CSS,Chaparral (2500-6000')	Winter- Spring	2.5'/2.5'	rocks, gravel	small	full sun	all	no	
16	Beach Evening Primrose *Camissoniopsis cheiranthifolia* (*Camissonia cheiranthifolia*)	Strand,Island (<300')	Spring- Summer	1'/1' 6'spread	sandy	small drain well	full sun		no	
17	Sedge *Carex barbarae*	Riparian (<3000')		4'/4' spreads	silt,clay	moderate	full sun		no	baskets
18	Sedge *Carex praegracilis*	Desert Riparian, Meadow (<7000')		2.5'/2.5' spreads	sandy,silt (pH 6-8)?	moderate	full sun		no	baskets
19	Indian Paintbrush *Castilleja affinis*	CSS, Chaparral (<4000')	Spring	2.5'/2.5'	rocky	small	full sun	hummingbird	no	
20	California Croton *Croton californicus*	CSS,Chaparral, Strand (<3000')	Spring- Fall	3'/3'	sandy	small drain well	full sun		no	medicine
21	Nutsedge *Cyperus eragrostis*	Riparian (<2500')	Spring- Fall	3'/3' spreads	silty	ample	full sun		no	
22	Nutsedge *Cyperus niger*	Freshwater Marsh (<5000')	Summer- Fall	1.7'/1.7' spreads	silty	ample	full sun		no	

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	PERENNIALS (continued)									
23	Scarlet Larkspur *Delphinium cardinale*	CSS, Chaparral (<5000')	Summer	3'/5' 2'spread	sandy (pH 5-8)	small drain well	cool sun	all	no	
24	Parry's Larkspur *Delphinium parryi*	CSS, Chaparral, Woodland (<7000')	Spring	3'/3'	deep soil (pH 5-8)?	small drain well	cool sun	all	no	
25	Spreading Larkspur *Delphinium patens* ssp. *hepaticoideum*	Chaparral, Woodland (<5000')	Spring	2'/2'	sandy loam (pH 5-8)	small drain well	cool sun	all	no	
26	Shooting Star *Dodecatheon clevelandii*	CSS,Chaparral, Grassland (<2000')	Winter- Spring	1'/1'	clay (pH 6-8)	small	full sun	insects	no	
27	Lax Dudleya *Dudleya cymosa*	CSS,Chaparral, Woodland (200-8500')	Spring	?/1.7' 1' at base	rocky (pH 6-8.5)	small drain well	full sun	hummingbird	no	food: leaves, stems
28	Lance-leaved Dudleya *Dudleya lanceolata*	CSS,Chaparral, Woodland (100-4000')	Spring- Summer	2' 2' at base	clay,sandy (pH 5-7.5)	small drain well	cool sun	hummingbird	no	food: leaves, stems
29	Chalk Dudleya *Dudleya pulverulenta*	CSS,Chaparral, Woodland (<3000')	Spring- Summer	2' 2'+at base	sandy, rocky (pH 5-7.5)	small drain well	cool sun	all	no	
30	Island Live-forever *Dudleya virens*	Coastal Bluffs (<1300')	Spring	?/2' 1.5'at base	rocky	moderate drain well	full sun		no	
31	Golden Ear Drops *Ehrendorferia chrysantha* (*Dicentra chrysantha*)	Chaparral, Woodland Forest (<5000')	Spring- Summer	2'/5'	sandy, loam (pH 6-7.5)	moderate drain well	cool sun	all	no	
32	Silver Ear Drops *Ehrendorferia ochroleuca* (*Dicentra ochroleuca*)	CSS, Chaparral (<3000')	Spring- Summer	2'/5'	sandy (pH 6-7.5)?	moderate drain well	full sun	all	no	
33	California Fuchsia *Epilobium canum* ssp. *canum* (*Zauschneria californica,* *Zauschneria cana*)	CSS,Chaparral, Island (<2000')	Fall	?/3' 4'spread	clay,sandy (pH 6-8)	small drain well	cool sun	hummingbird	no	

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	PERENNIALS (continued)									
34	Narrow-leaved Goldenbush *Ericameria ericoides* *(Haplopappus ericoides)*	CSS, Strand, Creosote Bush (<1600')	Fall	?/4' 3'spread	sand (pH 7-8)	small drain well	full sun		no	
35	Conejo Buckwheat *Eriogonum crocatum*	CSS (150-500')	Spring- Summer	?/1' 3'spread	clay (pH 6-8)	small	full sun	butterflies	no	food, medicine
36	Wand Buckwheat *Eriogonum elongatum*	CSS,Chaparral (150-6000')	Fall	?/6'	clay (pH 6-8)	small	full sun	butterflies	no	food, medicine
37	Spreading Buckwheat *Eriogonum wrightii* var. *membranaceum*	Pinyon-Juniper (1000-7000')	Fall	?/20" 2'spread	gravel, rocky (pH 6-8)	small drain well	full sun	butterflies	no	food, medicine
38	Golden Yarrow *Eriophyllum convertiflorum*	CSS, Chaparral (<10,000')	Spring- Summer	2'/2' 1'spread	clay,sandy (pH 5-8)	small	full sun	butterflies	yes:with processing	food, medicine
39	Western Wallflower *Erysimum capitatum*	CSS, Chaparral, Pinyon-Juniper (<8000')	Spring- Summer	3'/3' 2'spread	gravel (pH 5-8)	small	cool sun	insects	no	
40	California Poppy *Eschscholzia californica* (may be annual or biennial)	CSS,Chaparral, Grassland, Woodland (<6500')	Winter- Fall	2'/2'	clay,sandy (pH 5-8)	small	full sun	insects	no	cosmetic: pollen
41	Gum Plant *Grindelia camporum* (*Grindelia robusta*)	CSS, Chaparral (500-4000')	Spring- Fall	4'/4'	clay,sandy (pH 6-8)	small	full sun	all	no	medicine
42	Goldenbush *Hazardia squarrosus* (*Haplopappus squarrosus* ssp. *grindelioides*)	CSS, Chaparral (400-4500')	Fall	3'/3' 3'spread	clay,sandy (pH 5.5-7.5)	small	full sun	insects	no	
43	Dwarf Sunflower *Helianthus gracilentus*	Chaparral,Forest (<6000')	Spring- Fall	4'/4'	gravel,loam (pH 5.5-8)	small drain well	full sun	butterflies	yes:with processing	food
44	Coastal Isocoma *Isocoma menziesii* *(Haplopappus venetus)*	CSS, Chaparral (<4000')	Spring- Fall	?/4' 4'spread	sandy (pH 5-8)	small	full sun	insects	no	
45	Common Rush *Juncus patens*	Riparian (<5000')	Summer	3'/3' spreads	clay,sandy	ample	shade		no	basketry

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	PERENNIALS (continued)									
46	Rush *Juncus torreyi*	Riparian Woodland (<6000')	Summer- Fall	3'/3' spreads	sandy	ample	shade		no	basketry
47	Rush *Juncus xiphioides*	Riparian (<7000')	Spring- Fall	3'/3' spreads	clay,sandy	ample	shade		no	basketry
48	Climbing Penstemon *Keckiella cordifolia*	Chaparral, Woodland (<4000')	Spring- Summer	10'/10' 10'+spread	clay,sandy (pH 6-8)	moderate drain well	cool sun	butterflies, hummingbird	no	
49	Giant Coreopsis *Leptosyne gigantea* (*Coreopsis gigantea*)	CSS, Strand, Island (<200')	Spring	?/4' 2'spread	sand (pH 5-7)	small drain well	full sun	all	no	
50	Sea Lavender *Limonium californicum*	Salt Marsh, Strand (<200')	Summer- Fall	2'/2'	silt,sandy	ample	full sun		no	
51	Prickly Phlox(*=spiny leaves) *Linanthus californicus* (*Leptodactylon californicum*)	Chaparral, Woodland (<5000')	Spring	3'/3'	sandy (pH 6-7.5)	small drain well	full sun	all	no	
52	Blue Flax *Linum lewisii*	Montane and Pinyon-Juniper Woodlands (1500-9000')	Spring- Summer	3'/3'	clay,rocky (pH 5-7)	moderate	full sun	insects	no	medicine
53	Woodland Star *Lithophragma affine*	Chaparral, Grassland, Woodland (<3500')	Spring	2'/2'	sandy, rocky (pH 5-7)	small drain well	shade		no	
54	Bush Lupine *Lupinus longifolius*	CSS, Chaparral, Woodland (<2000')	Spring	4'/4' 4'spread	clay,sandy (pH 6-8)	small	cool sun	all	no	
55	Scarlet Monkey Flower *Mimulus cardinalis*	Riparian (<8000')	Spring- Fall	2'/2' 2'spread	clay,sandy (pH 4-9)	moderate	cool sun	all	no	
56	Yellow Monkey Flower *Mimulus guttatus*	Riparian (<8000')	Spring- Fall	3'/3' 3'spread	silt (pH 5-7)	ample	cool sun	all	no	medicine

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SOUTHERN CALIFORNIA NATIVE PLANTS FOR SCHOOL AND URBAN GARDENS

	COMMON NAME(*=thorns) *NEW SCIENTIFIC NAME* (*OLD SCIENTIFIC NAME*)	HABITAT (ALTITUDE) ('=feet)	FLOWER TIMES	GROWTH 1y/MaxHt. Width	SOIL TYPE (pH)	WATER NEEDS	SUN or SHADE	ATTRACTS BIRDS or INSECTS	FRUITS: EDIBLE? YES or NO	NATIVE AMERICAN USES
	PERENNIALS (continued)									
57	Wishbone Bush *Mirabilis laevis* var. *crassifolia* (*Mirabilis californica*)	Sage Scrub, Chaparral, Woodland (<3000')	Spring	2'/2' 2'+spread	sandy, rocky	small drain well	full sun	insects	no	
58	Evening Primrose *Oenothera elata* ssp.*hirsutissima* (*Oenothera hookeri* ssp. *angustifolia*)	Forest Riparian, Strand (<9000')	Summer	3'/3' 4'spread	clay,sandy (pH 4-7)	small drain well	full sun	moth	no	
59	California Peony *Paeonia californica*	CSS, Chaparral, Woodland (<4000')	Winter- Spring	2'/2'	clay,gravel (pH 5.5-7.5)	small drain well	cool sun		no	medicine
60	Scarlet Bugler *Penstemon centranthifolius*	Chaparral, Woodland (<6000')	Spring- Summer	4'/4' 1'spread	clay,sandy (pH 6-8)	small drain well	full sun	hummingbird insects	no	
61	Foothill Penstemon *Penstemon heterophyllus* var. *heterophyllus*	Chaparral, Woodland (<5000')	Spring- Summer	2'/2' 2'spread	clay,sandy (pH 6-9)	small drain well	full sun	hummingbird insects	no	
62	Royal Penstemon *Penstemon spectabilis*	CSS, Chaparral, Woodland (<7000')	Spring	3'/3' 3'spread	clay,sandy (pH 6-8)	small drain well	full sun	hummingbird insects	no	
63	Sticky Cinquefoil *Potentilla glandulosa*	Riparian (<7000')	Spring- Summer	2'/2'	clay,sandy (pH 5-7)	moderate	cool sun		no	medicine
64	Bicolor Everlasting *Pseudognaphalium bicolor* (*Gnaphalium bicolor*)	CSS,Chaparral, Island (<2500')	Winter- Spring	3'/3'	clay,sandy	small	full sun	insects	no	medicine?
65	California Everlasting *Pseudognaphalium californicum* (*Gnaphalium californicum*)	CSS,Chaparral, Woodland (<5000')	Winter- Summer	3'/3'	clay,sandy	small	full sun	insects	no	medicine?
66	Hummingbird Sage *Salvia spathacea*	CSS, Chaparral, Woodland (<2500')	Spring	2'/2' spreads	clay,sandy (pH 5-7)	moderate	cool sun	hummingbird insects	no	medicine
67	Yerba Buena *Satureja douglasii*	Chaparral, Woodland (<3000')	Spring- Fall	1'/1' 3'spread	clay,sandy (pH 6-7.5)	moderate drain well	shade		no	medicine

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	PERENNIALS (continued)									
68	California Saxifrage *Saxifraga californica*	CSS,Chaparral, Woodland (<4000')	Winter- Spring	1'/1'	rocky (pH 6-7)	moderate drain well	shade		no	
69	Tule *Schoenoplectus acutus* (*Scirpus acutus*)	Riparian, Marsh (5000')	Spring- Summer	12'/12' spreads	silt	ample	full sun	birds	no	food,useful material
70	Bulrush *Scirpus americanus*	Marsh,Pond (<6500')	Spring- Summer	8'/8' spreads	silt	ample	full sun	birds	no	food, useful material
71	California Figwort *Scrophularia californica*	CSS, Chaparral, Woodland (<6000')	Spring	4'/4'	clay (pH 4-7)	moderate	cool sun	insects	no	dye,medicine?
72	Skull Cap *Scutellaria tuberosa*	Chaparral, Woodland (700-3000')	Spring	1'/1'	clay,gravel	moderate	cool sun	insects	no	
73	Pacific Stonecrop *Sedum spathulifolium*	Chaparral,Forest (200-7000')	Summer	1'/1'	rocky (pH 5-8)	small drain well	cool sun	insects	no	
74	Sandwash Groundsel *Senecio flaccidus* var.*douglasii* (*Senecio douglasii* var.*douglasii*)	CSS,Chaparral, Grassland, Woodland (<6000')	Summer- Fall	5'/5' 3'spread	sandy, rocky (pH 6-8)	small drain well	full sun	insects	no	
75	Parish's Checkerbloom *Sidalcea hickmanii* ssp.*parishii*	Chaparral,Forest (4000-7000')	Spring- Summer	3'/3'	sandyloam (pH 6-7)	moderate	full sun	insects	no	
76	Checker Mallow *Sidalcea malviflora*	Grassland,CSS (<1500')	Spring	3'/3'	sandy clay (pH 6-7)	small	cool sun	insects	no	
77	Indian Pink *Silene laciniata* ssp. *major*	CSS, Chaparral, Woodland (<5000')	Spring- Summer	2'/2'	clay,sandy (pH 6-7)	small	cool sun	insects	no	
78	Blue-eyed Grass *Sisyrinchium bellum*	Chaparral,Island, Grassland, Woodland (<3000')	Winter- Spring	2'/2'	clay,sandy (pH 5-8)	small	full sun		no	
79	Purple Nightshade *Solanum xanti* (*Solanum xanti* var.*intermedium*)	Chaparral, Woodland (<5000')	Winter- Spring	3'/3' 3'spread	clay,loam (pH 5.5-8)	small	cool sun	insects	no	

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	PERENNIALS (continued)									
80	Desert Mallow *Sphaeralcea ambigua*	Creosote Bush, Joshua Tree (500-4000')	Spring	3'/3'	sandy (pH 5-8)	small drain well	full sun		no	
81	Hedge Nettle *Stachys bullata*	CSS, Chaparral (<5000')	Spring- Fall	3'/3' spreads	clay,sandy (pH 5-7.5)	moderate	shade	butterflies	no	
82	Prince's Plume *Stanleya pinnata* var. *pinnata*	Chaparral, Creosote Bush, Woodland, Strand (<6000')	Spring- Fall	4'/4'	sandy (pH 6-8)	small	full sun		no	food
83	Greata's Aster *Symphyotrichum greatae* (*Aster greatae*)	Riparian (2500-5000')	Fall	2'/4'		moderate	cool sun		no	
84	Meadow Rue *Thalictrum fendleri* var. *polycarpum* (*Thalictrum polycarpum*)	Woodland (<4000')	Spring	4'/4'	clay,loam (pH 6-7)	moderate	shade	all	no	
85	Tower Mustard (usually biennial) *Turritis glabra* (*Arabis glabra*)	Grassland, Woodland (<7000')	Spring- Summer	4'/4'	all	small	cool sun	all	no	
86	Southern Cattail *Typha domingensis*	Freshwater Marsh, Island (<5000')	Summer	10'/10' spreads	silt	ample	full sun	all	no	
87	Broad-leaved Cattail *Typha latifolia*	Freshwater Marsh (<5000')	Summer	10'/10' spreads	silt	ample	full sun	all	no	food,medicine, useful material
88	Canyon Sunflower *Venegasia carpesioides*	CSS, Chaparral, Woodland (<2700')	Winter- Fall	7'/7' 7'spread	clay (pH 5-7.5)	small	light shade	all	no	
89	Johnny Jump Up *Viola pedunculata*	Chaparral, Grassland, Woodland (<2500')	Winter- Spring	1'/1' 1'spread	loam (pH 5-7)	small	cool sun	all	no	

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	ANNUALS									
1	Many-flowered Snapdragon *Antirrhinum multiflorum*	CSS, Chaparral (<5500')	Spring- Summer	2'/5'	gravel,loam (pH 5.5-7)	small drain well	full sun	hummingbird	no	
2	Red Maids *Calandrinia ciliata*	Grassland, Woodland (<6000')	Winter- Spring	1'/1' 1'spread	sandy, loam	small drain well	full sun	insects	no	
3	Owl's Clover *Castilleja densiflora* (*Orthocarpus densiflorus* var. *densiflorus)*	Chaparral, Grassland, Woodland (<2500')	Spring	1'/1'	clay,sandy	small	full sun	insects	no	
4	Purple Owl's Clover *Castilleja exserta* ssp. *latifolia* (*Orthocarpus purpurascens* var. *purpurascens*)	CSS, Chaparral, Grassland (<3000')	Spring	1'/1'	clay,sandy	small	full sun	insects	no	
5	Farewell-to-spring *Clarkia bottae* (*Clarkia deflexa*)	CSS,Chaparral, Woodland (<3000')	Spring	3'/3'	clay,sandy (pH 6-8)?	small	full sun	insects	no	
6	Elegant Clarkia *Clarkia unguiculata*	CSS, Chaparral, Grassland, Woodland (<5000')	Spring	3'/3'	clay,sandy (pH 6-8)	small	cool sun	insects	no	
7	Miner's Lettuce *Claytonia perfoliata* ssp.*perfoliata*	CSS, Chaparral, Woodland (<5000')	Winter- Spring	1'/1' 1'spread	clay,sandy	moderate	shade		no	food: leaves
8	Chinese Houses *Collinsia heterophylla* var. *heterophylla*	CSS, Chaparral, Riparian, Woodland (<3000')	Spring	1'/1'	clay,sandy (pH 5-8)	moderate	shade	all	no	
9	Collarless Poppy *Eschscholzia caespitosa*	Chaparral, Grassland, Woodland (<3500')	Spring	1'/1'	clay,sandy (pH 6-8)	small	full sun	insects	no	medicine, cosmetic

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	ANNUALS (continued)									
10	California Poppy *Eschscholzia californica*	CSS,Chaparral, Grassland, Woodland (<6500')	Winter-Fall	2'/2'	clay,sandy (pH 5-8)	small	full sun	insects	no	cosmetic: pollen
11	Globe Gilia *Gilia capitata* ssp.*abrotanifolia*	CSS,Chaparral, Forest, Island (<6000')	Spring	3'/3'	sand,rocks (pH 6-8)	small	full sun	insects	no	
12	Common Sunflower *Helianthus annuus* (*Helianthus annuus* ssp. *lenticularis*)	All except Desert (<5000')	Winter-Fall	10'/10'	clay,sandy (pH 5-8)?	moderate	full sun	all	yes:with processing	food:seeds
13	Coast Goldfields *Lasthenia californica* ssp. *californica* (*Lasthenia chrysostoma*)	CSS, Island, Grassland, Creosote Bush (<3000')	Winter-Spring	1'/1'	sandy	small	full sun	insects	no	
14	Goldfields *Lasthenia glabrata* ssp. *coulteri*	Vernal Pool, Alkali Riparian (<3000')	Spring	2'/2'	saline soil (pH 6.5-9)	small	full sun	insects	yes:with processing	food:seeds
15	Tidy Tips *Layia platyglossa* (*Layia platyglossa* ssp.*campestris*)	CSS, Island, Grassland (<6000')	Spring	1'/1' 2'spread	clay,loam (pH 5-8)	small	full sun	insects	no	
16	Chick Lupine *Lupinus microcarpus* var. *microcarpus* (*Lupinus densiflorus* var.*palustris*)	Chaparral, Grassland (<2500')	Spring	1'/1' 2'spread	clay,sandy (pH 6-8.5)	small	full sun	insects	no	
17	Succulent Lupine *Lupinus succulentus*	CSS, Chaparral, Grassland, Woodland (<2500')	Winter-Spring	3'/3' 3'spread	clay,gravel (pH 6-8.5)	small	full sun	insects	no	

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	ANNUALS (Continued)									
18	Mustang Mint *Monardella brewerii* ssp. *lanceolata* (*Monardella lanceolata*)	Chaparral, Woodland (<8000')	Summer	2'/2'	clay,loam	small drain well	cool sun	insects	no	
19	Baby Blue Eyes *Nemophila menziesii* ssp. *menziesii*	CSS, Chaparral, Grassland, Woodland (<5000')	Winter- Spring	1'/1'	loamy clay	small	cool sun	insects	no	
20	Indian Tobacco *Nicotiana quadrivalvis* (*Nicotiana bigelovii* var. *bigelovii*)	CSS, Creosote Bush (<3500')	Spring- Fall	6'/6'	sandy, gravel	small drain well	full sun	all	no	ritual,smoking, medicine
21	Wind Poppy *Papaver heterophylla* (*Stylomecon heterophylla*)	Chaparral, Grassland, Woodland (<4000')	Spring	2'/2'	clay,sandy	small drain well	cool sun	insects	no	
22	Wild Canterbury Bells *Phacelia minor* (*=plant hairs may irritate skin)	CSS, Chaparral (<5000')	Spring	2'/2' 2'spread	clay,sandy (pH 6-8)?	small	full sun	insects	no	
23	Parry's Phacelia *Phacelia parryi* (*=plant hairs may irritate skin)	CSS, Chaparral, Creosote Bush (<4000')	Spring	1'/1' 1'spread	clay,sandy (pH 6-8)?	small	full sun	insects	no	
24	Fernleaf Phacelia *Phacelia tanacetifolia* (*=plant hairs may irritate skin)	CSS, Chaparral, Creosote Bush (<6000')	Spring	3'/3' 2'spread	sandy, gravel (pH 6-8)	small	full sun	insects	no	
25	Fiesta Flower *Pholistoma auritum* var. *auritum*	CSS, Chaparral, Woodland,Island (<4500')	Spring	3'/3' 3'spread	clay,sandy	small	cool sun	insects	no	
26	Cream Cups *Platystemon californicus*	Chaparral, Grassland, Woodland (<3000')	Spring	1'/1'	clay,sandy	small drain well	full sun	insects	no	
27	Chia *Salvia columbariae*	CSS, Chaparral, Creosote Bush (<7000')	Spring	2'/2'	clay,gravel (pH 6-8)	small drain well	full sun	insects	yes:with processing	food:seeds medicine

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	BULBS									
1	Golden Stars *Bloomeria crocea*	Scrub,Chaparral, Grassland, Woodland (<5000')	Spring	2'/2'	clay (pH 6-8)	small	cool sun		no	food: corms
2	White Globe Lily *Calochortus albus*	Chaparral, Woodland (<5000')	Spring	2.5'/2.5'	loam, gravel (pH 5-8)	small drain well	cool sun		no	food: bulbs
3	Catalina Mariposa Lily *Calochortus catalinae*	Chaparral,Island, Grassland (<2000')	Spring	2'/2'	clay (pH 5-8)	small drain well	cool sun		no	food: bulbs
4	Yellow Mariposa Lily *Calochortus clavatus*	Chaparral, Woodland (<5000')	Spring	3'/3'	rocky, serpentine (pH 5-8)	small drain well	cool sun		no	food: bulbs
5	Mariposa Lily *Calochortus venustus*	Pine Forest, Woodland, Grassland (1000-8000')	Spring	2'/2'	gravel (pH 5-8)	small drain well	cool sun		no	food: bulbs
6	Blue Dicks *Dichelostemma capitatum* (*Dichelostemma pulchella*)	Scrub,Chaparral, Grassland, Woodland (<7500')	Spring	2'/2'	clay,sandy	small drain well	full sun		no	food: corms
7	Humboldt Lily *Lilium humboldtii* ssp. *ocellatum* (*Fritillaria humboldtii* ssp. *ocellatum*)	Riparian Woodland, Forest (<6000')	Summer	8'/8'	gravel (pH 5-7)	moderate drain well	cool sun		no	
	FERNS (Number in "GROWTH" column is height,usually length of fronds.)									
1	Calif. Maiden-hair Fern *Adiantum jordani*	Chaparral, Riparian, Woodland (<3500')		1 1/2'	clay,sandy (pH 4-8)	moderate	shade		no	basketry
2	Downy Wood Fern *Dryopteris arguta*	Woodland (<7000')		2'	clay,sandy	moderate drain well	shade		no	

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	FERNS (continued)									
3	Coffee Fern *Pellaea andromedifolia*	CSS, Chaparral (100-5000')		2'	rocky (pH 5.5-7.5)	small drain well	cool sun		no	
4	Bird's Foot Fern *Pellaea mucronata*	CSS, Chaparral (100-6000')		1'	rocky,sandy	small drain well	full sun		no	
5	Goldback Fern *Pentogramma triangularis* ssp. *vicosa* (*Pityrogramma triangularis*)	Chaparral, Woodland (<7000')		1'	rocky (pH 4-7.5)	moderate drain well	shade		no	
6	California Polypody *Polypodium californicum*	CSS, Chaparral, Riparian (<4000')		1'	clay,sandy	moderate	shade		no	
7	Bracken Fern *Pteridium aquilinum* var. *pubescens*	Riparian (<10,000')		5'	clay,sandy	moderate	cool sun		no	food:shoots
8	Giant Chain Fern *Woodwardia fimbriata*	Riparian (<8000')		10'	silty	ample	shade		no	
	PERENNIAL GRASSES									
1	Bentgrass *Agrostis exarata*	Riparian, Forest, Woodland (<7000')	Summer	3'/3'	clay,sandy	moderate	cool sun	all	no	
2	San Diego Bent Grass *Agrostis pallens* (*Agrostis diegoensis*)	Chaparral, Forest, Woodland (650-10,000')	Spring- Summer	3'/3'	sandy, loam	small drain well	cool sun	all	no	
3	Beard Grass/Bluestem *Andropogon glomeratus* var. *scabriglumis* (*Andropogon glomeratus*)	CSS, Chaparral, Riparian, Creosote Bush (<2000')	Fall- Winter	1'/1'	clay,silty	moderate	full sun	all	no	
4	Caned Bluestem *Bothriochloa barbinodis*	CSS, Chaparral, Joshua Tree, Island (<4000')	All year	4'/4' clumps	clay,gravel	small	full sun	all	no	

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	PERENNIAL GRASSES (continued)									
5	California Brome *Bromus carinatus*	CSS, Chaparral, Woodland, Forest (<8000')	Spring-Summer	4'/4'	clay,sandy	small	full sun	all	no	
6	Woodland Brome *Bromus laevipes*	Chaparral, Riparian, Woodland (<3000')	Spring-Summer	4'/4'	sandy, loam	moderate	shade	all	no	
7	Salt Grass *Distichlis spicata*	Alkali Riparian, Grassland (<3000')	Spring-Summer	1'/1' spreads	sandy,silt (pH 7-10)	moderate	full sun		no	condiment, tool:brush
8	Giant Wild Rye *Elymus condensatus* (*Leymus condensatus*)	CSS, Chaparral, Woodland, Island (<7000')	Summer	10'/10' clumps	clay,sandy	small	full sun	all	yes:with processing	famine food, roof thatch, arrow shafts
9	Blue Wildrye *Elymus glaucus* ssp. *glaucus*	Chaparral, Woodland, Forest (<7500')	Summer	4'/4'	clay,sandy	moderate drain well	full sun	all	no	
10	Wheat Grass *Elymus stebbinsii* (*Agropyron parishii*)	Chaparral, Forest (<5000')	Spring	4'/4'	clay,sandy	small	cool sun	all	no	
11	Creeping Wild Rye *Elymus triticoides* (*Leymus triticoides*)	Alkali Riparian, Scrub, Woodland (<7500')	Summer	4'/4' spreads	sandy,silt (pH 7-9?)	moderate	full sun		no	
12	Meadow Barley *Hordeum brachyantherum* ssp. *californicum* (*Hordeum californicum*)	Riparian, Grassland, Scrub (<1700')	Spring-Summer	2'/2'	clay,sandy	moderate drain well	full sun	all	no	
13	Bearded Sprangletop *Leptochloa fusca* ssp. *fascicularis* (*Leptochloa fascicularis*)	Alkali Riparian, Creosote Bush (<4000')	Summer-Fall	3'/3'	sandy,silt (pH 7-9?)	moderate drain well	full sun		no	

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SOUTHERN CALIFORNIA NATIVE PLANTS FOR SCHOOL AND URBAN GARDENS

	COMMON NAME(*=thorns) *NEW SCIENTIFIC NAME* (*OLD SCIENTIFIC NAME*)	HABITAT (ALTITUDE) ('=feet)	FLOWER TIMES	GROWTH 1y/MaxHt. Width	SOIL TYPE (pH)	WATER NEEDS	SUN or SHADE	ATTRACTS BIRDS or INSECTS	FRUITS: EDIBLE? YES or NO	NATIVE AMERICAN USES
	PERENNIAL GRASSES (continued)									
14	Chaparral Melica *Melica imperfecta*	CSS, Chaparral, Woodland, Island (<5000')	Summer	3'/3' clumps	clay,rocky	small	cool sun	all	no	
15	Scratch-grass *Muhlenbergia asperifolia*	Alkali Riparian, Scrub (400-7000')	Summer-Fall	2'/2' spreads	sandy,silt (pH 7-9?)	moderate	full sun		no	
16	Deer Grass *Muhlenbergia rigens*	Chaparral, Grassland, Woodland, Forest (<7000')	Summer	4'/4' clumps	sand, gravel (pH 5-8)	moderate drain well	cool sun	all	no	basketry
17	Common Reed *Phragmites australis*	Riparian (<5000')	Summer-Fall	12'/12' spreads	silt	ample	full sun	all	no	thatch, twine,flutes
18	Bluegrass *Poa secunda* ssp. *juncifolia* (*Poa juncifolia*)	Scrub,Forest (2300-9000')	Summer	3'/3'	clay,sandy (pH 6-9?)	small	full sun		no	
19	Nodding Needlegrass *Stipa cernua* (*Nassella cernua*) (*=needle-like seeds)	CSS, Chaparral, Grassland, Woodland (<4500')	Spring	3'/3' clumps	clay,sandy (pH 6-8)	small	full sun	all	no:needle-like seeds	
20	Porcupine Grass *Stipa coronatum* (*Achnatherum coronatum*) (*=needle-like seeds)	CSS, Chaparral (<5500')	Spring	6'/6' clumps	rocky, gravel (pH 6-8)	small	full sun	all	no:needle-like seeds	
21	Indian Ricegrass *Stipa hymenoides* (*Achnatherum hymenoides*) (*Oryzopsis hymenoides*)	Creosote Bush, Pinyon-Juniper, Forest (<11,000')	Spring-Summer	2'/2' clumps	sandy (pH 7-8)	small drain well	full sun	all	yes:with processing	food:seeds
22	Foothill Needlegrass *Stipa lepida* (*Nassella lepida*) (*=needle-like seeds)	CSS, Chaparral, Grassland, Island (<5500')	Spring	3'/3' clumps	clay,sandy (pH 6-8)	small	cool sun	all	no:needle-like seeds	

CSS=Coastal Sage Scrub
Island=Catalina Island

Creosote Bush=Desert Wash
Pinyon-Juniper=Pinyon-Juniper Woodland

SOUTHERN CALIFORNIA NATIVE PLANTS FOR SCHOOL AND URBAN GARDENS

	COMMON NAME(*=thorns) *NEW SCIENTIFIC NAME* (*OLD SCIENTIFIC NAME*)	HABITAT (ALTITUDE) ('=feet)	FLOWER TIMES	GROWTH 1y/MaxHt. Width	SOIL TYPE (pH)	WATER NEEDS	SUN or SHADE	ATTRACTS BIRDS or INSECTS	FRUITS: EDIBLE? YES or NO	NATIVE AMERICAN USES
	PERENNIAL GRASSES (continued)									
23	Purple Needlegrass *Stipa pulchra* (*Nassella pulchra*) (*=needle-like seeds)	CSS, Chaparral, Grassland, Woodland, Island (<5000')	Spring	3'/3' clumps	clay,sandy (pH 6-8)	small drain well	full sun	all	no:needle-like seeds	
24	Desert Needlegrass *Stipa speciosa* (*Achnatherum speciosum*) (*=needle-like seeds)	Creosote Bush, Joshua Tree, Chaparral (<6500')	Spring	2'/2' clumps	rocky, gravel (pH 7-8)	small	full sun	all	no:needle-like seeds	
	VINES (the number in the "GROWTH" column represents l year stem growth)									
1	Morning Glory *Calystegia macrostegia*	CSS, Chaparral (<3000')	Spring	30' spreads	clay,sandy	small	cool sun		no	
2	Virgin's Bower, Pipestems *Clematis lasiantha*	Chaparral, Forest Riparian (<6000')	Spring	20' climbs	clay,sandy (pH 5-8)	small drain well	cool sun	all	no	medicine, twine
3	Western Virgin's Bower *Clematis ligusticifolia*	Riparian, Island (<7000')	Spring-Summer	20' climbs	loam (pH 5-8)	moderate	shade	all	no	medicine, twine
4	Wild Sweet Pea *Lathyrus vestitus* var.*vestitus* *Lathyrus laetiflorus* var.*laetiflorus*	CSS, Chaparral, Woodland (<5000')	Spring	10' erect, climbs	clay,sandy	small	cool sun	all	no	
5	California Honeysuckle *Lonicera hispidula* var.*vacillans*	Chaparral, Riparian, Woodland (<2500')	Spring-Summer	20' climbs	sandy, loam (pH 5-7)	moderate	shade	hummingbird	yes:bitter	baskets
6	Wild Cucumber, Manroot *Marah macrocarpus* (*=rubbery spines on fruit)	CSS, Chaparral, Woodland (<3000')	Winter-Spring	20'+ climbs	clay,sandy	small	full sun	all	no	
7	Wild Grape *Vitis girdiana*	Riparian, Island (<4000')	Spring	20' climbs	clay,sandy (pH 6-8)	moderate	cool sun	all	yes	food

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