

# Low Water Use Drought Tolerant Plant List

Official Regulatory List for the Arizona Department  
of Water Resources, Santa Cruz Active Management Area

857 W. Bell Road, Suite 3  
Nogales, AZ 85621

Photo - Sandra M. Tadeo © 2009

(520) 761-1814

[www.azwater.gov](http://www.azwater.gov)

## LOW WATER USE/DROUGHT TOLERANT PLANT LIST

### OFFICIAL REGULATORY LIST FOR:

#### Arizona Department of Water Resources – Santa Cruz Active Management Area

This official regulatory list was developed to guide the regulated community in choosing low water-use and drought tolerant plants for landscaping. Landscaping planted after January 1, 1987 within publicly owned rights-of-way and irrigated with groundwater may be planted only with plants listed on the ADWR Low Water Use/ Drought Tolerant Plant List for the Santa Cruz AMA. The director may waive this requirement under special circumstances. This requirement does not apply to any portion of a residential lot that extends into a publicly owned right-of-way. Many local jurisdictions have adopted this list for regulatory purposes; contact your local jurisdiction for their landscape requirements.

This list can also be used as a resource for residents and businesses that are interested in conserving water. The list provides a wide array of plants to accomplish a variety of low water-use landscape designs.

The plants on this list can be grown in the Santa Cruz County area with very low to moderate supplemental irrigation once they are established. Supplemental irrigation should be of sufficient quantity to saturate the plant's root zone. All plants listed can grow with less water than traditional high water-use landscape plants and do not require more than the ADWR regulations for low water-use plants in the Santa Cruz AMA, a maximum of 18 inches of supplemental irrigation on an annual basis, not including rainfall. In addition to water requirements, other suitability factors (e.g. highly invasive, cold hardiness, etc.) may be considered to determine acceptability of individual plants for addition to the list.

Applications for additions, deletions or exceptions to this list may be submitted to the Department of Water Resources, Santa Cruz Active Management Area Office for consideration. Phone: (520) 761-1814. The list and application forms may be downloaded from the ADWR website at [www.azwater.gov](http://www.azwater.gov).

An advisory committee of local plant experts reviews all applications for modification and submits recommendations to the AMA Director for final consideration.

## Key to symbols:

### Water use (WU)

- 1 – Very low, irrigate every 3-4 weeks during the growing season after establishment
- 2 – Low, irrigate every 2-3 weeks during the growing season after establishment
- 3 – Moderate, irrigate weekly during the growing season after establishment

\* **Average annual rainfall for Nogales is approximately 19"; in low rainfall years the plants on the list may need additional irrigation to maintain good appearance and plant health.**

### Irrigation: most plants require regular irrigation during the first 2-3 year establishment period

Growing Season (GS):

- Wi winter – apply water September through March; less frequently in off season  
Su summer – apply water March through September; less frequently in off season

### Plant Type (PT):

- |    |                  |    |           |
|----|------------------|----|-----------|
| A  | accent plant     | S  | shrub     |
| C  | cactus           | Sc | succulent |
| Gc | groundcover      | T  | tree      |
| Gr | ornamental grass | V  | vine      |
| An | annual           | P  | perennial |

### Flower Color:

Includes annotations for fall color, berries

**H:** Mature plant height measured in feet

**W:** Mature canopy size measured in feet

### Allergenicity (AL):

- a strongly allergenic
- b moderately allergenic
- c weakly allergenic

**Degrees Fahrenheit:** if plants do not sustain damage at 25° F or below they are considered cold hardy. However temperatures for Nogales have been in the low teens, record low -4°

RH = root hardy, plant will die back but will likely regenerate from the roots

Note: the timing of the freeze, duration of the freeze, the temperatures the next day and the second night temperatures will affect how severely damaged the plant will be.

Allergenicity of the plants was classified with the help and advice of Michael J. Schumacher, M.D., Professor, Dept. of Pediatrics and Head, Allergy-Immunology Section, Univ. of Arizona Health Sciences Center and Mark R. Sneller, Ph.D., Office of Pollen and Mold Control, Pima County Health Dept.

### Native Plants are listed under Origin using the following symbols:

CD Chihuahuan Desert- includes north central and NW Mexico, SW Texas, southern New Mexico and extreme SE Arizona

SD Sonoran Desert – includes arid and semi-arid areas of NW Mexico, SE California and most of Arizona south of the Mogollon Rim

Note: Chihuahuan and Sonoran Desert Regions annotated by Matt Johnson, Native Plant Society.

### Special Considerations:

**Toxic:** may be harmful if eaten. Call Arizona Poison Control Center at (520) 626-6016; Nationwide: 1-800-222-1222

**Invasive (INV):** may spread and intrude into natural areas

**Spreads in Cultivated Areas (SCA):** may spread by seed or sucker in urban or cultivated areas, and in disturbed soils

## Low Water Use Drought Tolerant Plant List- Santa Cruz Active Management Area

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	Acacia aneura	Mulga	Yellow	Spring	T	18	18	Su		c			20	Austr.
2	Acacia angustissima	White Ball Acacia	White	Late Spring to Late Summer	S	5	5	Su		c			-10	SD
3	Acacia berlandieri	Guajillo	White	Summer	T,S	15	15	Su		c			20	CD
1	Acacia constricta	Whitethorn, Mescat Acacia	Yellow	Spring to Summer	T,S	20	20	Su		c	Yes	Yes	5	SD,CD
1	Acacia crasspedocarpa	Waxleaf Acacia	Yellow	Spring to Summer	T,S	15	15	Su		c			15	Austr.
2	Acacia cultriformis	Knife-Leaf Acacia	Yellow	Spring	T,S	15	15	Su		c			20	Austr.
3	Acacia farnesiana (smalli)	Southwestern Sweet Acacia	Yellow	Spring	T,S	25	25	Su		c	Yes	Yes	12	SD,CD
1	Acacia greggii	Catclaw Acacia	Creamy Yellow	Spring to Summer	T,S	15	20	Su		c	Yes	Yes	0	SD,CD
2	Acacia notabilis	Notable Acacia	Yellow	Late Spring	S	8	15	Su		c			20	Austr.
2	Acacia redolens	Prostrate Acacia	Yellow	Spring	S,Gc	5	12	Su		c			20	Austr.
2	Acacia rigidula	Black Brush Acacia	Yellow	Spring	T,S	15	9	Su		c			20	CD
2	Acacia salicina	Willow Acacia	Creamy White	Spring	T	40	30	Su		c			20	Austr.
2	Acacia saligna	Weeping Wattle	Orange-Yellow	Early Spring	T	25	20	Su		c			15	Austr.
3	Acacia schaffneri	Twisted Acacia	Yellow	Spring	T	20	25	Su		c			17	CD
2	Acacia stenophylla	Pencilleaf Acacia	Creamy White	Early Spring	T	30	20	Su		c			18	Austr.

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
1	<i>Achnatherum speciosum</i> ( <i>Oryzopsis hymenoides</i> )	Indian Ricegrass	Green	Spring	Gr	2	2	Su		a			10	SD,CD
1	<i>Agave americana</i> & varieties	Century Plant	Yellow	Once (Summer)	A,Sc	7	8	Su					20	CD
1	<i>Agave americana</i> v. <i>mediopicta</i>				A,Sc	3	3	Su					20	CD
2	<i>Agave bovicornuta</i>	Cow's Horn Agave	Yellow	Once (Spring to Summer)	A,Sc	3	4	Su					19	Mex.
2	<i>Agave bracteosa</i>	Spider Agave	White, orange	Once (Summer)	A,Sc	2	2	Su					10	
2	<i>Agave celsii</i>		Greenish with purple/red tinge	Once	A,Sc	2	2	Su					15	E. Mex.
2	<i>Agave chrysantha</i>	Golden Flower Agave	Yellow	Once (Summer)	A,Sc	3	4	Su					15	AZ
2	<i>Agave colorata</i>	Mescal Ceniza, Blue Century Plant	Yellow	Once (Spring to early Summer)	A,Sc	3	3	Su					15	SD
2	<i>Agave fillifera</i>	Agave	Green then reddish	Once (Summer)	A,Sc	2	3	Su					17	CD
2	<i>Agave havardiana</i>	Havard Agave	Greenish Yellow	Once (Spring)	A,Sc	3	4	Su					-10	CD
2	<i>Agave lophantha</i> ( <i>univittata</i> )	Holly Agave; Center Stripe Agave	Greenish Yellow	Once	A,Sc	3	6	Su					20	CD
2	<i>Agave montana</i>	Mountain Agave	Green, Creamy White	Once	A,Sc	4	6	Su					5	Mex.
2	<i>Agave multifilifera</i>	Chahuiqui	Light Green with Pink Margins	Once	A,Sc	3	5	Su					15	CD
2	<i>Agave murpheyi</i>	Murphy Agave	Pale Green	Once (Fall) produces bulbils on flower stalk	A,Sc	3	3	Su					10	SD
2	<i>Agave ocahui</i>	Ocahui Agave	Yellow	Once (Spring to Summer)	A,Sc	3	3	Su					10	SD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	Agave ovatifolia	Whales Tongue Agave	Pale Green	Once	A,Sc	3	3	Su					20	Mex.
2	Agave palmeri	Palmer Agave	Pale Green	Once (Summer) produces bulbils on flower stalk	A,Sc	4	4	Su					10	SD
2	Agave parrasana	Parras Agave	Yellow	Once	A,Sc	2	2	Su					15	Mex.
2	Agave parryi & varieties	Parry's Agave	Yellow	Once (Summer)	A, Sc	2	2	Su				Yes	-20	CD
2	Agave parryi var. huachucensis	Huachuca Agave	Pink buds opening to Yellow	Once (Late Spring to early Summer)	A,Sc	2	3	Su			Yes	Yes	5	SD
2	Agave parviflora	Small Flowered Agave	Pale Yellow	Once (Summer)	A,Sc	.5	.7	Su					10	SD
2	Agave pelona	Mescal Pelon	Red	Once (Spring)	A, Sc	2	2.5	Wi					20	SD
2	Agave salmiana ssp. Ferox	Pulque Agave, Salm's Agave	Yellow above Green below	Once	A,Sc	4	6	Su					15	Central Mex.
2	Agave scabra	Rough-leaved Agave	Yellow	Once (Late Spring to Fall)	A,Sc	4	4	Su					15	CD
2	Agave schidigera	Agave	Dark Purple	Once (Fall to Spring)	A,Sc	2	3	Su					15	Durango Mex.
2	Agave shawii		Yellow	Once (Spring)	A,Sc	3	5	Su					20	Baja Cal. Mex.
2	Agave striata	Needle-leaf Agave, Espidine	Yellow, sometimes Red- Purple	Once (Summer)	A,Sc	3	3	Su					15	Mojave D
2	Agave utahensis		Yellow	Once	A,Sc	1	2	Su					-10	Mojave D
2	Agave victoriae-reginae & varieties	Queen Victoria Agave	Reddish Purple	Once (Summer)	A,Sc	1	2	Su					10	Mex.
1	Aloe barbadensis	Aloe Vera, Medicinal Aloe	Yellow, Orange, Red	Late Winter to Summer	Sc	2	2	Wi					25	Africa

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	<i>Aloe ferox</i>	Cape Aloe	Orange Red	Late Winter early Spring	Sc	15	3	Su					25	Africa
1	<i>Aloe saponaria</i>	Tiger Aloe, Mediterranean Aloe	Yellow, Orange, Red	Winter to Spring	Sc	1	1	Wi					15	Africa
2	<i>Aloe variegata</i>	Partridge Breast Aloe	Dark Pink to Red	Winter to Spring	Sc	1	1.5	Su					20	Africa
2	<i>Aloysia gratissima</i>	Fragrant Bush, Bee Bush	White	Spring	S	6	8	Su			Yes	Yes	15	SD,CD
2	<i>Aloysia wrightii</i>	Wright's Bee Bush	White	Spring to Fall	S	4	4	Su					15	SD,CD
1	<i>Ambrosia deltoidea</i> (Franseria)	Triangle-leaf Bursage	inconspicuous	Mid-Winter to mid-Spring	S	2	2	Wi		a			22	SD
1	<i>Ambrosia dumosa</i> (Franseria)	White Bursage	inconspicuous	Mid-Winter to mid-Spring	S	2	2	Wi		a			22	SD
3	<i>Amsonia grandiflora</i>	Large-flowered Blue Star	White tinged with Lavender	Spring to early Summer	S,P	3	3	Su						SD
2	<i>Anisacanthus quadrifidus</i> & varieties	Flame Anisacanthus	Orange, Red	Summer to Fall	S	5	5	Su					5	CD
2	<i>Anisacanthus thurberi</i>	Desert Honeysuckle	Orange	Spring to Fall	S	6	4	Su					10	SD
2	<i>Antigonon leptopus</i>	Queen's Wreath	Pink, White, Red	Summer and Fall	V	20	20	Su					15	SD
2	<i>Aristida purpurea</i>	Purple Three-awn	Green, Green to Blue foliage	Spring to early Fall	Gr	2	1	Su			Yes	Yes	0	SD,CD
2	<i>Artemisia ludoviciana</i>	Prairie Sagebrush, Wormwood	inconspicuous	July-Oct	S,Gc	2.5	2	Su		a			-40	SD
3	<i>Asclepias linaria</i>	Pine Leaf Milkweed	White	Spring to Fall	S	3	3	Su	Yes				20	SD,CD
1	<i>Asclepias subulata</i>	Desert Milkweed	Pale Yellow, White	Late-Spring to Fall	P	3	3	Su	Yes				20	SD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
1	<i>Aster bigelovii</i>	Purple Aster	Blue	Late-Summer to early Fall	An	1-3	.5	Su					0	SD
1	<i>Aster tanacetifolius</i>	Purple Aster	Purple	Summer to Fall	An	1.5	.5	Su					0	SD,CD
1	<i>Atriplex canescens</i>	Four-Wing Saltbush	inconspicuous	Spring to Fall	S	4	8	Su		a			15	SD,CD
2	<i>Atriplex lentiformis</i>	Quail Bush	Greenish	Late Winter to Spring	S	10	15	Su		a			15	SD
2	<i>Atriplex lentiformis breweri</i>	Brewer Saltbush	Light Yellow	Summer	S	10	10	Su		a			15	SD
1	<i>Atriplex nummularia</i>	Old Man Saltbush	inconspicuous		S	9	15	Su		a			15	Austr.
1	<i>Atriplex polycarpa</i>	Desert Saltbush	inconspicuous		S	3	6	Su		a			0	SD
2	<i>Atriplex semibaccata</i>	Australian Saltbush	inconspicuous	April through September	S	1	6	Su		a			22	Austr.
2	<i>Baccharis sarothroides</i> and hybrids (male varieties only)	Desert Broom	Cream, White	Fall	S	9	9	Su		a			15	SD
1	<i>Bahia absinthifolia</i>	Desert Daisy	Yellow	Spring to Fall	P	1	.5	Wi						SD
1	<i>Baileya multiradiata</i>	Desert Marigold	Yellow	Spring through Fall	P	1	1	Wi	Yes				10	SD,CD
3	<i>Bauhinia lunaroides</i>	Pink or White Orchid Tree	Pink, White	Spring to early Summer	S	12	10	Su					5	CD
2	<i>Bebbia juncea</i>	Sweet Bush, Chuuckwalla's Delight	Yellow	Spring to Fall	S,P	4	4	Su				Yes	15	SD,CD
3	<i>Berberis harrisoniana</i>	Barberry	Yellow	Late-Winter to early-Spring	S	3	3	Su					15	SD
2	<i>Berberis trifoliata</i>	Algerita	Yellow	Spring	S	8	8	Su					15	SD



WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
3	Berlandiera lyrata	Chocolate Flower	Yellow with Maroon center	Spring to Fall	P	2	2	Su				Yes	0	SE. AZ
2	Bothriochloa barbinodis	Cane Beardgrass, Cane Bluestem	Green	Late-Spring to early-Fall	Gr	3	3	Su		c			0	SD,CD
2	Bouteloua chondroisiodes	Sprucetop Grama		Summer to Fall	Gr, P					a			-10	
2	Bouteloua curtipendula	Sideoaks Grama	purple tinted Green	Summer to Fall	Gr, P	1.5-2	2			a			-30	
2	Bouteloua eriopoda	Black Grama		Summer to Fall	Gr, P					a			-10	
2	Bouteloua gracilis	Blue Grama	Reddish to White	Summer to Fall	Gr, P	1.5-2	1			a			-40	
2	Bouteloua hirsuta	Hairy Grama		Summer to Fall	Gr, P					a			-40	
2	Bouteloua rothrockii	Rothrock Grama		Summer to Fall	Gr, P					a			-40	
2	Bouteloua spp.	Gramma Grass	varies by species- Green, Pink, Orange, Purple	Summer to Fall	Gr, P	.5 -3	1	Su		a			-10	SD,CD
2	Brachychiton populneus	Bottle Tree	Pink	Late Spring	T	45	30	Su					18	Austr.
3	Brahea (Erythea) armata	Mexican Blue Palm	White	Spring	T	30	10	Su		c			15	SD
3	Buchloe dactyloides	Buffalo Grass	Tan	Summer to Fall	Gr,P	.5	.5	Su		a			-30	CD
1	Buddleia marrubifolia	Wooly Butterfly Bush	Orange	Spring and Summer	S	5	5	Su					15	CD
3	Bulbine frutescens and cultivars	Shrubby Bulbine	Yellow to Orange	Fall to Spring	Sc	2	2	Wi					20	S. Africa
2	Caesalpinia (Poinciana) gilliesii	Yellow Bird of Paradise	Yellow with Red stamens	Late Spring to Fall	S	10	6	Su	Yes		Yes	Yes	10	S. Amer.

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	Caesalpinia (Poinciana) mexicana	Mexican Bird of Paradise (yellow)	Yellow	Spring to Summer	S	15	10	Su	Yes		Yes	Yes	20	CD
3	Caesalpinia pulcherrima	Red Bird of Paradise	Red, Orange	Summer	S	6-8	6	Su	Yes				28 RH	Caribb.
2	Callaeum macropterum (Mascagnia macroptera)	Yellow Orchid Vine	Yellow	Spring and Summer	V	25	25	Su			Yes		22	SD,CD
2	Calliandra californica	Baja Fairy Duster	Red	Spring through Fall	S	6	6	Su					25	SD
1	Calliandra eriophylla	Fairy Duster, False Mesquite	Pink	Spring	S	3	4	Su					10	SD
2	Calliandra peninsularis	Red Calliandra, Baja Fairy Duster	Red	Winter to Spring	S	6	6	Su					25	SD
3	Callistemon citrinus	Lemon Bottlebrush	Red	Off and on all year	T,S	15	10	Su		c			10	Austr.
3	Calylophus hartwegii & varieties	Calylophus, Yellow Evening Primrose	Yellow	Spring to Summer	Gc	1.5	3	Su, Wi			Yes	Yes	0	CD, SD
3	Campsis radicans	Common Trumpet Creeper	Orange, Red	Summer to Fall	V	20	20	Su					15	SE U.S.
1	Carnegiea gigantea	Saguaro	White	Early Summer	C	50	25	Su					15	SD
2	Cassia artemisioides (Senna)	Wormwood Senna, Feathery Cassia	Yellow	Late Winter to Spring	S	5	5	Wi					20	Austr.
2	Cassia nemophila (C. eremophila)	Green Cassia	Yellow	Winter to Spring	S	9	6	Wi			Yes	Yes	20	Austr.
2	Cassia phyllodinea	Silvery Cassia	Yellow	Winter to Spring	S	6	6	Wi					20	Austr.
2	Casuarina cunninghamiana	Australian Pine River She-Oak			T	70	35	Su		b			20	Austr.
2	Casuarina stricta	Coast Beefwood Drooping She-Oak			T	35	25	Su		b			15	Austr.

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
4	<i>Catalpa x chilopsis</i>	Chitalpa			T								20	SW U.S.
2	<i>Cathestecum erectum</i>	False Grama	Green	Summer	Gr	.5	1	Su		c			7	SD
1	<i>Celtis pallida</i>	Spiny or Desert Hackberry	Greenish-Yellow	Spring	S	16	10	Su		a			17	SD,CD
3	<i>Celtis reticulata</i>	Netleaf or Western Hackberry	Greenish	March through Summer	T	30	30	Su		a			-20	SD,CD
3	<i>Centaurea cineraria</i>	Dusty Miller	Purple, Yellow	Summer	P	3	3	Wi					15	Medit.
2	<i>Cephalophyllum aestonii</i> 'Red Spike'	Red Spike Ice Plant	Reddish-purple	Winter to Spring	Gc,Sc	0.5	1.5	Wi					15	S. Africa
3	<i>Ceratonia siliqua</i>	Carob, St. John's Bread Tree	Pink	Spring	T	40	40	Su					22	Medit.
3	<i>Cercis canadensis v. mexicana</i>	Mexican Redbud	Magenta	Early Spring	T,S	15	15	Su					10	CD
1	<i>Cereus hildmannianus</i> (C.peruvianus)	Peruvian Cereus, Hedge Cactus	White	Night blooming in Summer	C	20	10	Su					25	S. Amer.
3	<i>Chamaerops humilis</i>	Mediterranean Fan Palm	insignificant	n/a	T	15	10	Su		c			12	Spain
3	<i>Chilopsis linearis</i> and cultivars	Desert Willow, v. warren jones v.lucetia hamilton	White, Lavender, Pink, Purple	Late-Spring to Fall	T,S	30	30	Su			Yes	Yes	0	SD,CD
2	<i>Chrysactinia mexicana</i>	Damianita Daisy	Yellow-Gold	Spring and Fall	S	2	2	Su					0	SW U.S.
2	<i>Cissus trifoliata v. incisa</i>	Desert Grape Ivy	inconspicuous	Summer	V	20	20	Su			Yes	Yes	20	SD,CD
2	<i>Condalia globosa</i>	Bitter Condalia	White inconspicuous	Early Spring	T,S	15	20	Su					18	SD
1	<i>Condalia warnockii v. kearneyana</i>	Condalia, Mexican Pincushion	White	Early Spring	S	6	5	Su					10-15	SD,CD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	<i>Convolvulus cneorum</i>	Bush Morning Glory	White	Late Spring to Fall	S,Gc	2	3	Wi	Yes				15	S. Eur.
3	<i>Convolvulus mauritanicus</i>	Ground Morning Glory	Sky Blue	Spring and Summer	Gc	.5	2	Wi					15	Africa
2	<i>Cordia boissieri</i>	Anacahuita, Texas Olive	White	Spring to Fall	T,S	15	15	Su					22	CD
2	<i>Cordia parvifolia</i>	Littleleaf Cordia	White	Spring to Fall	S	8	10	Su					15	SD,CD
3	<i>Cupressus arizonica</i> & varieties	Rough-barked Arizona Cypress	inconspicuous	n/a	T	50	20	Su		a			10	SD,CD
3	<i>Cupressus glabra</i>	Smooth Bark Cypress	n/a	n/a	T	40	20	Su		a			10	SD
3	<i>Dalbergia sissoo</i>	Rosewood	Green-Yellow inconspicuous		T	50	30	Su					10	India
2	<i>Dalea bicolor</i> & varieties	Dalea Bicolor	Blue	Fall	S	6-8	5-6	Su					10	CD
2	<i>Dalea bicolor</i> v. <i>argyrea</i>	Silver Dalea			S								5	SD
3	<i>Dalea capitata</i>	Yellow Dalea	Yellow	Spring and Fall	Gc	1	3	Su					15	Mex.
3	<i>Dalea frutescens</i>	Black Dalea	Pink, Rose to Purple	Late Fall	S	4	5	Su					15	CD
2	<i>Dalea greggii</i>	Trailing Indigo Bush	Pink, Purple	Spring to Summer	Gc	2	9	Su					15	CD
2	<i>Dalea pulchra</i>	Indigo Bush	Pink, Purple	Winter, early Spring	S	6	5	Su					0	SD
3	<i>Dalea versicolor</i> v. <i>sessilis</i>	Indigo Bush, Dalea	Purple	Fall to early Spring	S	4	5	Su					0	SD
2	<i>Dasyliiron acrotriche</i>	Green Desert Spoon	Cream on single erect flower stalk	Summer to Fall	A	4	5	Su					15	CD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	<i>Dasyliirion leiophyllum</i>	Green Desert Spoon	Greenish-yellow on single erect flower stalk	Spring	A	4	6	Su					-10	CD
2	<i>Dasyliirion quadrangulatum</i> (D.longissimum)	Toothless Desert Spoon	Greenish and White	Late Spring	A	4	5	Su					15	CD
2	<i>Dasyliirion texanum</i>	Green Desert Spoon	Creamy White on single erect flower stalk	Late Spring to early Fall	A	5	5	Su					0	CD
2	<i>Dasyliirion wheeleri</i>	Sotol, Desert Spoon	Tan on erect stems	Mid to late Summer	A	4	5	Su					0	SD,CD
2	<i>Dicliptera resupinata</i>	Native Dicliptera	Purple	Spring to Fall	P	2	3	Su				Yes	17	SD,CD
2	<i>Digitaria californica</i>	Arizona Cottontop	White	Summer to early Fall	Gr	3	1.5	Su		a			15	SD,CD
2	<i>Dodonaea viscosa</i> & varieties	Hopbush	Green, inconspicuous	Spring to Fall	S	15	12	Su					20	SD,CD
2	<i>Ebenopsis ebano</i> ( <i>Pithecellobium flexicaule</i> )	Texas Ebony	Cream White	Late Spring to Fall	T	30	20	Su					20	CD
1	<i>Echinocactus grusonii</i>	Golden Barrel	Yellow	Summer	C	3	2	Su					10	Mex.
1	<i>Echinocereus</i> spp.	Hedgehog, Rainbow Cactus	varies by species, Red, Yellow, Pink, Purple	Spring	C	2	2	Su					5-10	CD,SD
1	<i>Echinopsis</i> spp. & varieties	Easter Lily, Sea Urchin Cactus	Pink (various)	Spring to Summer	C	2	2	Su					20	S. Amer.
1	<i>Ephedra nevadensis</i>	Ephedra, Mormon Tea	Green inconspicuous	Spring	S	5	4	Su	Yes				0	SD
3	<i>Eragrostis intermedia</i>	Plains Lovegrass	Light Pink, White	Summer to Fall	Gr	3	1	Su		a			-23	SD,CD
1	<i>Eremophila decipiens</i>	Emu Bush	Dark red	Winter to Spring	S	5	5	Su					17	Austr.
2	<i>Eremophila maculata</i> 'valentine'	Valentine Emu Bush	Red	Early to late Spring	S	5	6	Su, Wi					15	Austr.

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	<i>Ericameria laricifolia</i> & cultivars ( <i>Haploppapus laricifolius</i> )	Turpentine Bush	Yellow	Fall	S	2-3	2-3	Su					5	SD
2	<i>Eriogeron divergens</i>	Native Fleabane	White to Lavender	Spring to Summer	Gc,An,P	1	2	Wi				Yes	-20	SW U.S.
2	<i>Eriogonum fasciculatum</i> v. <i>poliofolium</i>	Flattop Buckwheat	White to Pink	Summer	S	1.5	2	Wi					15	S. CA, AZ, UT
2	<i>Eriogonum wrightii</i>	Wright Buckwheat	White to Pink	Summer to early Fall	S	1.5	2	Wi					23	SD
1	<i>Erioneuron pulchellum</i> ( <i>Dasyochloa pulchella</i> )	Fluffgrass	White	Summer and Fall	Gr	.5	.5	Su		a				SD,CD
3	<i>Eschscholtzia californica</i>	California Poppy	Orange, Pale - Yellow, occasionally White	Late-Spring	P	2	2	Wi					20	CA,OR
3	<i>Eschscholtzia mexicana</i>	Mexican Gold Poppy	Orange, Pale- Yellow, occasionally White	Early-Spring	An	.8	1	Wi					30	SD
3	<i>Eucalyptus camaldulensis</i>	Red River Gum	Yellow inconspicuous	Winter to Spring	T	120	50	Su		c			20	Austr.
2	<i>Eucalyptus campaspe</i>	Silver Gimlet	inconspicuous	Late Winter to Spring	T	35	25	Su		c			18	Austr.
2	<i>Eucalyptus formanii</i>	Eucalyptus	White	Summer	T	20	20	Su		c			15	Austr.
2	<i>Eucalyptus leucoxylon</i> ( <i>rosea</i> )	White Iron Bark	White, Red	Fall to Winter	T	40	30	Su		c			18	Austr.
2	<i>Eucalyptus microtheca</i>	Tiny Capsule Eucalyptus, Coolibah	Creamy White inconspicuous	Summer	T	35	35	Su		c			10	Austr.
2	<i>Eucalyptus papuana</i>	Ghost Gum	White inconspicuous	Summer	T	40	25	Su		c			22	Austr.
2	<i>Eucalyptus polyanthemos</i>	Silver Dollar Gum	Cream-white	Winter	T	40	30	Su		c			14	Austr.
2	<i>Eucalyptus rudis</i>	Flooded Gum	white		T	60	40	Su		c			15	Austr.

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	<i>Eucalyptus sargentii</i>	Salt River Mallet	Yellow		T	40	40	Su		c			22	Austr.
2	<i>Eucalyptus spathulata</i>	Swamp Mallee	Cream and Gold	Summer	T	20	20	Su		c			17	Aust
1	<i>Euphorbia antisiphilitica</i>	Wax Plant, Candelilla	Creamy White - Red centers	Spring and mid Summer	S	3	3	Su					17	CD
2	<i>Euphorbia myrsinites</i>	Euphorbia	Chartreuse-Yellow	Late Winter to Spring	Gc	1	3	Wi					10	S. Europe, Cnt. Asia
2	<i>Euphorbia rigida (biglandulosa)</i>	Gopher Plant	Chartreuse	Winter to Spring	A,Sc	2	3	Wi	Yes			Yes	5	Africa
2	<i>Eysenhardtia orthocarpa</i>	Kidneywood	White	Summer	T	10	10	Su					15	CD, SD
3	<i>Eysenhardtia texana</i>	Texas Kidneywood	White	Spring to Summer	T	8	8	Su					15	CD
3	<i>Feijoa sellowiana</i>	Pineapple Guava	White with Red stamens	Spring	T,S	15	15	Su					15	S. Amer.
1	<i>Ferocactus</i> spp.	Barrel Cactus	varies by species- Yellow, Red, Orange, Purple	Varies Winter through early Fall	C	5	1.5	Su					0-20	SD,CD
1	<i>Fouquieria splendens</i>	Ocotillo	Red	Mid-Spring	A	15	8	Su					10	SD,CD
3	<i>Fraxinus greggii</i>	Littleleaf Ash	inconspicuous Green		T,S	18	15	Su		a			15	CD
2	<i>Gaillardia aestivalis</i> spp. <i>winkleri</i>	Winkler Gaillardia			P	2	3	Wi					0	TX
2	<i>Gaillardia pinnatifida</i>	Blanket Flower		Late Spring to early Fall	P	2	2	Wi					-30	SW U.S.
3	<i>Gaillardia pulchella</i>	Fire Wheel, Blanket Flower	Deep Maroon center with Yellow outside edges	Late Spring to early Fall	An	1.5	1.5	Wi					15	CD
3	<i>Gazania rigens</i> & varieties	Gazania	Orange, Yellow, White	Winter to Spring, Fall	Gc	.5	2	Wi					20	Africa

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
3	<i>Gazania rigens leucolaena</i>	Trailing Gazania			Gc,								20	Africa
1	<i>Geoffroea (Gourleia) decorticans</i>	Chilean Palo Verde	Yellow	Spring	T	20	15	Su					15	S. Amer.
1	<i>Glandularia gooddingii</i> (Verbena)	Goodding Verbena	Lavender, Pink	Spring	P	1.5	3	Wi, Sp					10	SD
3	<i>Glandularia pulchella</i> (V.tenuisecta) (V.tenera)	Moss Verbena, Rock Verbena	Purple	Spring to Fall	P	1	5	Su, Wi				Yes	20	S. Amer.
1	<i>Gutierrezia sarothrae</i>	Snakeweed	Yellow	Early Fall	S,P	2	2	Su				Yes	-38	W. U.S., CAN, Mex.
2	<i>Havardia mexicana</i> (Pithecellobium mexicanum)	Mexican Ebony	Creamy Yellow	Spring	T	30	30	Su					20	SD
2	<i>Havardia pallens</i> (Pithecellobium pallens)	Tenaza	White	Late Spring to Mid-Summer	T	30	12	Su		c			22	CD
2	<i>Hesperaloe campanulata</i>	Bell Flowering Hesperaloe	Pink	Summer	A	3	3	Su					10	NM
2	<i>Hesperaloe funifera</i>	Giant Hesperaloe	Creamy White	Summer	A	5	5	Su					5	CD
2	<i>Hesperaloe nocturna</i>	Night Flowering Hesperaloe	White and Green	Spring to Fall	A	3	3	Su					10	SD
2	<i>Hesperaloe parviflora</i> & varieties	Red Yucca, Yellow Yucca	Pink, Red, Yellow	Spring and Summer	A	3	4	Su					0	CD
3	<i>Heteropogon contortus</i>	Tanglehead	Brown	Summer and Fall	Gr	3	2	Su		c	Yes	Yes	15	SD
2	<i>Hibiscus coulteri</i>	Yellow Hibiscus, Coulter's Hibiscus	Pale Yellow	late Spring to Fall	S	3	3	Su					10	SD,CD
2	<i>Hilaria berlanderi</i>	Curly mesquite	Green	late Summer to Fall	Gr	.5	1	Su		b			0	SD,CD
2	<i>Hilaria mutica</i> (Pleuraphis mutica)	Tobosa grass	Green	Summer to Fall	Gr	2	2	Su		b			2	SD,CD



WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	<i>Hilaria rigida</i>	Big galleta grass	Green	Spring through Fall	Gr	3	1	Su		b			10	SD,CD
1	<i>Hyptis albida</i> (emoryii)	Desert Lavender	Purple	Spring through Fall	S	8	8	Su					25	SD
1	<i>Jatropha cardiophylla</i>	Limberbush	inconspicuous White	Summer	S	3	4	Su					20	SD
1	<i>Jatropha dioica</i>	Jatropha	inconspicuous	Summer	S	3	3	Su					15	CD
3	<i>Juniperus chinensis</i> and cultivars	Juniper	n/a		T	20	10	Su		b			-30	Asia
3	<i>Juniperus deppeana</i>	Alligator Bark Juniper	inconspicuous		T	40	30	Su		a			0	SD,CD
3	<i>Juniperus sabina</i>	Sabine Juniper	inconspicuous		S	1.5	8	Su		b			-30	AZ
2	<i>Justicia californica</i> and cultivars (Beloperone)	Chuparosa	Red	Spring	S	3	4	Su					20	SD
2	<i>Justicia candicans</i>	Red Jacobinia	Red, Orange	Fall to Spring	S	5	3	Su					25	SD
3	<i>Justicia spicigera</i>	Firecracker Bush	Orange	Summer to Winter	S	4	4	Su					24	Mex.
1	<i>Larrea tridentata</i> (divaricata)	Creosote Bush, Greasewood	Yellow	Early Spring to Fall	S	8	8	Su					5	SD,CD
3	<i>Leptochloa dubia</i>	Green Sprangle-Top	Green	Summer	Gr	3	1	Su		a			5	CD,SD
2	<i>Leucaena retusa</i>	Golden Leadball	Yellow	Spring to Summer	T	20	15	Su					10	CD
2	<i>Leucophyllum</i> spp. & varieties	Texas Ranger	varies by species Pink, Purple, Lavender, White	Summer humidity	S	3-10	3-10	Su					5-10	CD
3	<i>Linum grandiflorum</i> 'Rubrum'	Scarlet Flax	Scarlet	Spring	An	2	1	Wi						N. Africa

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
3	<i>Linum lewisii</i>	Blue Flax	Bright Blue	Spring	An	2	1	Wi						SD,CD
2	<i>Lotus rigidus</i>	Desert Deerweed, Deer Vetch	Yellow and Orange	Spring	Gc,P	1.5	2	Wi					5	SD
1	<i>Lupinus arizonicus</i>	Lupine	Purple	Winter to Spring	An	1	1	Wi					28	SD
1	<i>Lupinus sparsiflorus</i>	Desert Lupine	Purple	Late Winter to Spring	An	1	1	Wi					28	SD
1	<i>Lupinus succulentus</i>	Arroyo Lupine	Deep Blue	Spring	An	2	1	Wi					25	SD
2	<i>Lycium andersonii</i>	Desert Wolfberry	Lavender, followed by Red berries	Spring	S	6	6	Su					20	SD
1	<i>Lycium exsertum</i>	Thornbush	White-Purple followed by Red berries	Spring	S	8	8	Su					10	SD
1	<i>Lycium fremontii</i>	Wolfberry, Tomatillo	White-Lavender followed by Red berries	Spring	S	10	8	Su					20	SD
2	<i>Lycium pallidum</i>	Pale Desert-Thorn	White, followed by Red berries	Spring	S	3-9	4-6	Su					10	SD, Mojave D
2	<i>Macfadyena unguis-cati</i>	Cat's Claw Vine	Yellow	Spring	V	30	30	Su			Yes	Yes	20	U.S.
1	<i>Mamillaria</i> spp.	Pincushion, Fishhook Cactus	varies by species Cream, Yellow, Red, Pink	Varies by species Spring to Summer	C	0.5	0.5	Su					15	CD, SD
2	<i>Mascagnia lilacina</i>	Purple Orchid Vine	Purple	Spring and Summer	V	15	10	Su					22	CD
2	<i>Maytenus phyllanthoides</i>	Mangle Dulce	Green inconspicuous		S	12	12	Su					15	SD,CD
2	<i>Melampodium leucanthum</i>	Blackfoot Daisy	White	Early Spring to Fall	Gc	2	2	Su			Yes	Yes	15	SD,CD
2	<i>Merremia aurea</i>	Yellow Morning Glory Vine	Yellow	Summer to Fall	V	25	25	Su					15	SD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	Mimosa dysocarpa	Velvetpod	Pink, White	Summer	S	6	6	Su		c			15	SD
3	Mirabilis multiflora	Desert Four O'clock	Hot Pink	Summer to early Fall	Gc,P, V	3	4	Su					25	U.S.
3	Muhlenbergia capillaris	Regal Mist	Pink	Fall	Gr	3	3	Su					-20	U.S.
3	Muhlenbergia dumosa	Bamboo Muhly	Green dries to Tan	Spring to Summer	Gr	6	6	Su		a			20	SD
2	Muhlenbergia emersleyi	Bullgrass	Purple dries to Tan	Fall	Gr	4	4	Su		a			0	SD
3	Muhlenbergia lindheimeri	Autumn Glow	Yellow dries to Tan	Fall	Gr	5	5	Su		a			-10	TX
1	Muhlenbergia porteri	Bush muhly	Pink	Late Summer to Fall	Gr	2	3	Su		a			-25	SD,CD
2	Muhlenbergia rigens	Deer grass	Tan	Summer to Fall	Gr	4	4	Su		a			10	SD
3	Muhlenbergia rigida	Purple Muhlenbergia	Purple dries to Tan	Late Summer to Fall	Gr	5	3	Su		a			0	SD
3	Myoporum parvifolium	Purple Myoporum	White	Spring to Summer	Gc	0.5	9	Su					25	Austr.
3	Myrtus communis & varieties	True Myrtle, Roman Myrtle	White	Spring	S	6	5	Su					20	Medit.
3	Nandina domestica & varieties	Heavenly Bamboo	White followed by Red berries	Spring	S	6	4	Su					15	Asia
2	Nassella tenuissima (Stipa tenuissima)	Mexican Feather Grass	Tan	Fall	Gr	3	1	Su		b			0	CD
2	Nerium oleander & varieties	Oleander	Pink, White, Red, Salmon	Mid-Spring to Fall	S	4-20	5-12	Su	Yes				20	Asia
1	Nolina beltingii	Belding's Nolina	White		A	3	6	Wi					15	Baja

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
1	<i>Nolina bigelovii</i>	Beargrass	Cream	Summer	A	6	4	Su					0	SD
1	<i>Nolina lindheimeriana</i>	Lindheimer's Nolina	White		A	3-4	2-3	Su					-20	TX
1	<i>Nolina matapensis</i>	Tree Beargrass	White	Summer	A	25	6	Su					15	SD
1	<i>Nolina microcarpa</i>	Beargrass	Greenish White	Summer	A	3	6	Su					0	SD
1	<i>Nolina nelsoni</i>	Blue Nolina	Green		A	4-5	6-10	Su					0	Mex.
1	<i>Nolina parryi</i>	Parry's Beargrass			A	5	5	Su					10	SD
1	<i>Nolina texana</i>	Bear Grass	White	Late Spring	A	3	3	Su					0	TX, NM
2	<i>Oenothera berlandieri (speciosa)</i>	Mexican Evening Primrose	Pink	Spring to Fall	Gc, P	1	3	Su, Wi			Yes	Yes	25	CD, TX, Mex.
2	<i>Oenothera caespitosa</i>	White Evening Primrose, Tufted Evening Primrose	White	Spring	Gc, P	1	3	Wi					5	W. U.S.
2	<i>Oenothera stubbei</i>	Chihuahuan Primrose	Yellow	Summer to Fall	Gc, P	1	2	Su, Wi					17	SD, NE Mex.
2	<i>Olea europaea 'Swan Hill', 'Wilsoni'</i>	Fruitless non-pollinating Olive	White	Spring	T	30	30	Su					15	Medit.
1	<i>Olneya tesota</i>	Desert Ironwood, Tesota	Lavender-Pink	Late Spring to early Summer	T	30	25	Su					15	SD, CD
1	<i>Opuntia basilaris</i>	Beavertail Prickly Pear	Hot Pink	Mid Spring	C	2	4	Su					15	SD
1	<i>Opuntia bigelovii</i>	Teddy Bear Cholla	Green	Early Spring	C	6	3	Su					15	SD
1	<i>Opuntia engelmannii</i>	Engelmann's Prickly Pear	Orange, Yellow	Spring	C	5	6	Su					10	SW. U.S., Mex.

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
1	<i>Opuntia ficus-indica</i>	Indian Fig	Yellow	Spring	C	10-15	15	Su					15	Mex.
1	<i>Opuntia microdasys</i>	Rabbit Ears Prickly Pear	Yellow	Spring	C	3	6	Su					20	
1	<i>Opuntia santa rita tubac</i>	Purple Pancake	Yellow	Spring	C	6	4	Su					10	AZ cultivar
1	<i>Opuntia turpinii</i>	Pinecone Prickly Pear	Pink	Summer	C	3	1	Su					15	W. Argentina
1	<i>Opuntia versicolor</i>	Staghorn Cholla	Orange, Red, Yellow	Spring	C	10	6	Su					20	SD
1	<i>Opuntia violacea macrocentra</i>	Long Spine Prickly Pear	Yellow, Red	Spring to early Summer	C	2	3	Su					15	SD
1	<i>Opuntia violacea 'Santa Rita'</i>	Santa Rita Prickly Pear	Yellow	Spring	C	4	4	Su					10	AZ
3	<i>Osteospermum fruticosum</i>	Trailing African Daisy	White, Purple	Winter to Spring	Gc	1	4	Wi		c			20	Africa
2	<i>Pappophorum mucronulatum</i>	Pappus grass	White	Spring to early Fall	Gr	3	2	Su		a				SD
2	<i>Parkinsonia praecox (Cercidium)</i>	Palo Brea	Yellow	Spring	T	30	25	Su		b			25	SD
2	<i>Parkinsonia florida (Cercidium floridum)</i>	Blue Palo Verde	Yellow	Early Spring	T	30	30	Su		b	Yes	Yes	12	SD
2	<i>Parkinsonia hybrid "Desert Museum"</i>	Desert Museum Palo Verde	Yellow	Spring to Summer	T	30	30	Su		b			17	SD,CD
1	<i>Parkinsonia microphylla (Cercidium microphyllum)</i>	Littleleaf or Foothill Palo Verde	Yellow	Late Spring	T	20	20	Su		b			15	SD
1	<i>Parkinsonia x sonorae (Cercidium)</i>	Sonoran Palo Verde	Yellow	Spring	T	20	20	Su		b			25	SD
2	<i>Passiflora foetida</i>	Passion Flower	White, Purple	Summer	V	10	10	Su			Yes	Yes	25 RH	SD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	<i>Pennisetum setaceum</i> 'Cupreum'	Purple Fountain Grass	Pink, Purple	Summer	Gr	4	5	Su		b			15	Africa
2	<i>Penstemon ambiguus</i>	Pink Plains Penstemon	Pink	Summer	P	3	3	Su					10	W. U.S.
3	<i>Penstemon amphorellae</i>	Mexican Blue Penstemon	Blue	Late Spring	P	1	2	Su					0	Central Mex.
3	<i>Penstemon baccharifolius</i>	Cutleaf Penstemon	Red-Rose	Summer	P	2	3	Su					10	CD
3	<i>Penstemon barbatus</i>	Beardtongue Penstemon	Red	Summer to early Fall	P	1	1	Wi					5	SD,CD
3	<i>Penstemon cardinalis</i>	Cardinal Penstemon	Red	Spring, Summer	P	1	1-2	Wi					5	TX
3	<i>Penstemon cobaea</i>	Foxglove Penstemon	White-lavender	Spring	P	1	1	Wi					-25	TX, AK
3	<i>Penstemon eatoni</i>	Firecracker Penstemon	Red	Late Winter to Early Spring	P	1	1	Wi					-30	SD
3	<i>Penstemon fendleri</i>	Fendler Penstemon	Violet	Spring through Summer	P	1	1	Wi					5	OK, AZ, NM
3	<i>Penstemon grandiflorus</i>	Large Fendler Penstemon	Lavender	Early Summer	P	1	1	Wi					-40	TX
3	<i>Penstemon palmeri</i>	Palmer Penstemon	White, Pink	Spring through Summer	P	2	2	Wi					5	SW U.S.
3	<i>Penstemon parryi</i>	Parry Penstemon	Pink, Red	Early Spring	P	1	1	Wi			Yes	Yes	15	SD
3	<i>Penstemon pinifolius</i>	Pineleaf Penstemon	Red, Orange	Summer	P	1	2	Su					-40	No. AZ, UT
3	<i>Penstemon pseudospectabilis</i>	Canyon Penstemon, Mohave Beardtongue	Rose-purple	Spring to mid-Summer	P	1	1	Wi					5	SD
3	<i>Penstemon spectabilis</i>	Mojave Penstemon, Royal Penstemon	Blue-purple	Spring to mid-Summer	P	1	1	Wi					15	CA, N. Baja Mex.

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
3	<i>Penstemon strictus</i>	Rocky Mountain Penstemon	Blue	Early Summer	P	1	1	Su					-30	W. U.S.
3	<i>Penstemon subulatus</i>	Little Beardtongue	Red	Spring	P	1	1	Wi						SD
3	<i>Penstemon superbus</i>	Superb Penstemon, Santa Rita Penstemon	Coral-red	Spring	P	2	2	Wi					-30	CD, SD, N.M.
3	<i>Penstemon triflorus</i>	Hill Country Penstemon	Rose	Early Spring	P	1	1	Wi					10	TX
3	<i>Penstemon wrightii</i>	Texas Rose, Wright's Penstemon	Orange- Pink	Spring to Summer	P	1	1	Wi					10	TX
1	<i>Pentzia incana</i>	Karoo Bush	Yellow	Spring to Summer	Gc	1	3	Su			Yes	Yes	10	S. Africa
2	<i>Phacelia campanularia</i>	Desert Bluebells, Desert Canterbury Bells	Blue	Early Spring	An	1	1	Wi					10	SD
2	<i>Phacelia tanacetifolia</i>	Tansy Phacelia	Blue, Purple	Early Spring	An	1	1	Wi					10	N. Calif., N. Baja
2	<i>Phoenix canariensis</i>	Canary Island Date Palm	Cream, White	Summer	T	60	30	Su		c			20	Canary Islands
2	<i>Phoenix dactylifera</i>	Date Palm	insignificant	Summer	T	100	20	Su		c			18	Asia
3	<i>Phyla nodiflora</i>	Lippia	White	Summer	Gc	.125	0.5	Su					15	Trop. America
2	<i>Pinus edulis</i>	Piñon Nut Pine	insignificant		T	25	15	Su		c			-31	NM, Calif, AZ
2	<i>Pinus eldarica</i>	Afghan Pine	insignificant		T	50	25	Su		c			10-15	Asia
2	<i>Pinus halepensis</i>	Aleppo Pine	insignificant		T	80	60	Su		c			13	Medit.
2	<i>Pinus monophylla</i>	Singleleaf Piñon Pine	insignificant		T	25	15	Su		c			-31	Mojave D, N. AZ

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	<i>Pinus pinea</i>	Italian Stone Pine	insignificant		T	60	50	Su		c			15	Medit.
3	<i>Pinus roxburghii</i>	Chir Pine	insignificant		T	80	40	Su		c			20	Asia
2	<i>Pistacia atlantica</i>	Mt. Atlas Pistache	insignificant Greenish White	Early Summer	T	60	50	Su		c			20	Medit.
3	<i>Pistacia atlantica x integerrima</i>	Pistache hybrid tereb. x integerrima			T	30	30	Su		c			0	Medit. x Asia
3	<i>Pistacia chinensis</i>	Chinese Pistache	Green (Red leaves) Fall color		T	60	50	Su		c			10	Asia
3	<i>Pistacia terebinthus x integerrima</i>	Pistache Hybrid terebinthus x integerrima			T									
2	<i>Pistacia vera</i>	Pistachio			T	30	30	Su		c			0	Asia
2	<i>Pittosporum phillyraeoides</i>	Willow Pittosporum	Yellow	Spring	T	20	15	Su					15	Austr.
1	<i>Plantago spp.</i>	Indian Wheat	Cream, White	Spring	An	.25-2	0.5	Wi						SD,CD
3	<i>Poliomintha maderensis</i>	Lavendar Spice	Lavender	Spring through Summer	S	2	2	Su					20	CD
2	<i>Prosopis hybrid</i>	South American Mesquite	Light Yellow	Spring	T	40	40	Su		b			15	S. Amer.
2	<i>Prosopis glandulosa &amp; varieties</i>	Texas Honey Mesquite	Creamy Yellow	Spring	T	30	30	Su		b			10	CD
2	<i>Prosopis pubescens</i>	Screwbean Mesquite	Yellow	Spring	T	20	20	Su		b			0	SD,CD
2	<i>Prosopis velutina (juliflora)</i>	Velvet Mesquite	Yellow	Spring	T	30	30	Su		b			0	SD
1	<i>Psilostrophe cooperi</i>	Paper Flower	Yellow	Spring and Summer	P	2	2	Wi					15	SD,CD



WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
1	Psilostrophe tagetina	Paper Flower	Yellow	Spring and Summer	P	2	2	Wi					10	SD,CD
3	Punica granatum & varieties	Pomegranate	Dark Orange, Red	Summer	T,S	20	15	Su					10	India
3	Pyracantha & varieties	Pyracantha (red berried types)	White followed by Red berries	Spring	S	20	12	Su					0-10	Asia
3	Quercus arizonica	Arizona White Oak	Green inconspicuous		T	60	30	Su		b			5	SD,CD
3	Quercus buckleyi (Q texana)	Texas Red Oak	Green inconspicuous; Red Fall Color		T	30	30	Su		b			5	W. TX
3	Quercus emoryi	Emory Oak	Green inconspicuous		T	50	40	Su		b			5	SD,CD
3	Quercus fusiformis	Escarpment Live Oak	Green inconspicuous		T	50	50	Su		b			-10	W. TX
3	Quercus gambelii	Gambel Oak	Green inconspicuous		T,S	30	15	Su		b			-30	SW U.S.
3	Quercus ilex	Holly Oak	Green inconspicuous		T	50	50	Su		b			5	Medit.
3	Quercus muhlenbergia	Chinquapin Oak	Green inconspicuous, Orange and		T	30	30	Su		b			-20	W. TX
3	Quercus polymorpha	Monterey Oak	Green inconspicuous		T	80	60	Su		b			0	W. TX
3	Quercus suber	Cork Oak	Green inconspicuous		T	60	40	Su		b			5	Medit.
2	Quercus turbinella	Shrub Live Oak	Green inconspicuous		S	10	10	Su		b			5	W. U.S.
3	Quercus virginiana	Live Oak	Green inconspicuous		T	50	50	Su		b			15	SE U.S.
2	Rhus microphylla	Littleleaf Sumac	White, Red Fall Color	Spring before leaves	S	10	10	Su	Yes	c			20	CD, SD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	Rhus ovata	Sugar Bush, Sugar Sumac	Pink & White followed by small red fruit	Spring	S	15	15	Wi	Yes	c			15	Calif., AZ
2	Rhus trilobata & varieties	Three Leaf Sumac, Skunk, Bush	inconspicuous, small red fruit, Fall color	Spring	S	5	8-10	Su		c			-40	Can., U.S., Mex.
2	Rhus virens	Evergreen Sumac	White followed by showy berries	Spring	S	12	12	Su	Yes	c			15	CD, SD
3	Rosa banksiae	Lady Banks Rose, Tombstone Rose	White, Yellow	Spring	S, Gc, V	20	20	Su					10	China
2	Rosmarinus officinalis & varieties	Rosemary	Blue	Spring and Fall	S	3	8	Su					15	Medit.
3	Ruellia brittoniana & varieties	Dwarf Ruellia	Blue, White	Throughout warm season	Gc	6	12	Su					15	Mex.
2	Ruschia uncinatus	Ruschia	Pink	Summer	Gc, Sc	1.5	1.5	Su					25	S. Africa
2	Salvia chamaedryoides	Blue Chihuahuan Sage	Cobalt blue	Spring and Fall	S	2	2	Su					15	CD
2	Salvia clevelandii	Cleveland Sage	Blue	Late Spring to Summer	S	5	5	Wi					15	S. CA, Baja
3	Salvia columbariae	Chia	Blue	Spring	An	.5	.25	Wi						SD
2	Salvia dorrii v. dorrii	Mojave Sage, Desert Sage	Blue-violet	Late Winter and Spring	S	2	2	Wi					-25	MD
3	Salvia greggii	Red Chihuahuan Sage, Autumn Sage	Red, Hot Pink, Purple, White	Spring to Summer	S	3	3	Su					5	CD
2	Salvia hybrid (S.dorrii x S.clevelandii x S.mojavensis)	Trident, Carl Nielson Sage	Cobalt Blue	Spring	S	3	3	Wi					20-30	SD hybrid
3	Salvia leucantha	Purple Mexican Bush Sage	Purple	Spring to Fall	S	4	4	Su					25	Mex.
2	Salvia mohavensis	Mohave Sage	Lavender	Spring to mid-Summer	S	3	3	Wi					5	SD, MD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
3	<i>Sambucus nigra</i> spp. <i>Cerulea</i> ( <i>S.mexicana</i> )	Mexican Elderberry	Creamy White	Winter and Spring	T	30	20	Wi					25	SD,CD
2	<i>Santolina chamaecyparissus</i>	Lavender Cotton	Yellow/ Silvery foliage	Spring	S,Gc	2	3	Wi					-10	Medit.
3	<i>Santolina virens</i>	Green Santolina	Creamy Yellow	Spring	S,Gc	2	2	Wi					-20	Medit.
2	<i>Sapindus saponaria drummondii</i>	Soapberry	Creamy White	Late Spring	T	30	30	Su	Yes				5	SD,CD
3	<i>Schinus molle</i>	California Pepper Tree	Yellow-White (insignificant)	Summer	T	40	45	Su		b			25	S. Amer.
2	<i>Senecio cineraria</i>	Dusty Miller, Silver Plant	Yellow/Silvery foliage	Spring	P	2	2	Wi	Yes				15	Medit.
1	<i>Senna covesii</i> (Cassia)	Desert Senna	Yellow	Late Spring to early Fall	P	1	1	Su					15	SD
2	<i>Senna lindheimeriana</i> (Cassia)	Senna	Yellow	Summer to Fall	S	3	2	Wi					0	CD
2	<i>Senna wislizenii</i> (Cassia)	Cassia, Shrubby Senna	Yellow	Summer	S	8	8	Su					10	SD,CD
1	<i>Simmondsia chinensis</i> & varieties	Jobba, Goat Nut	Green inconspicuous	Spring	S	8	8	Wi		a			15	SD
2	<i>Sophora secundiflora</i> & varieties	Texas Mountain Laurel	Purple to Lavender	Spring	T,S	25	15	Su	Yes				5	CD
2	<i>Sphaeralcea ambigua</i> & varieties	Globe Mallow	Orange, White, Red, Purple, Lavender	Early Spring and Fall	P	3	3	Wi					15	SD
1	<i>Sporobolus airoides</i>	Alkali Sacaton	White	Summer	Gr	5	3	Su		a			0	SD,CD
1	<i>Sporobolus contractus</i>	Spike Dropseed	White	Summer to Fall	Gr	3	1	Su		a				SD,CD
3	<i>Sporobolus cryptandrus</i>	Sand Dropseed	White		Gr	2	1	Su		a				SD,CD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	<i>Sporobolus flexuosus</i>	Mesa Dropseed	White	Summer to early Fall	Gr	3	1	Su		a				SD,CD
3	<i>Sporobolus wrightii</i>	Big Sacaton	Green	Late Summer to Fall	Gr	5	4	Su		a				SD,CD
3	<i>Tagetes lemmoni</i>	Mountain Marigold	Orange, Yellow	Spring and Fall	P	3	6	Su					28	SD
2	<i>Tetranneuris acaulis</i> (Hymenoxys)	Angelita Daisy	Yellow	All Year, heaviest in Spring	P	1	1	Su					10	SW U.S.
2	<i>Teucrium chamaedrys</i> (prostratum)	Prostrate Germander	Lavender	Spring and Summer	Gc	1	2	Su	Yes				-20	Medit.
2	<i>Teucrium fruticans</i>	Bush Germander	Blue or Lavender	Spring to Fall	S	8	8	Su					10	Medit.
3	Texas Firecracker Bush	<i>Hamelia patens</i>	Red, Orange	Summer	S	10	5	Su					10	FL, Caribn.
2	<i>Thymophylla pentachaeta</i> (Dyssodia)	Golden Dyssodia, Golden Fleece	Yellow	Late Spring to Fall	Gc	0.5	0.5	Su, Wi					10	SD,CD
2	<i>Thymophylla acerosa</i> (Dyssodia)	Scrubby Dogweed	Yellow	Late Spring to early Fall	Gc	.5	.5	Su					10	SD,CD
2	<i>Trichloris crinita</i>	Two-feather Trichloris	White dries to Tan -Reddish highlights	Late Spring to Fall	Gr	3	1	Su		a				SD,CD
2	Trichocereus & varieties	Trichocereus Cactus	White, Yellow, Orange, Red	Varies by variety Spring, Summer, Fall	C	1-15	1-5	Su					10	S. Amer., Argentina
2	<i>Tridens muticus</i>	Slim Tridens	White	Spring to Fall	Gr	1.5	0.5	Su		b			25	SD,CD
2	<i>Trixis californica</i>	Trixis	Yellow	Spring	S	3.5	3.5	Su					15	CA to TX
3	<i>Ungnadia speciosa</i>	Mexican Buckeye	Rose-Pink	Spring	T	12	12	Su					10	CD
2	<i>Vauquelinia californica</i> & varieties	Arizona Rosewood	White	Spring to Summer	T,S	25	15	Su					10	SD

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
2	Vauquelinia corymbosa & varieties	Mexican Rosewood	White inconspicuous	Spring	S	15	20	Su						TX, Mex.
3	Verbena peruviana	Peruvian Verbena	Pink, Blue, Purple	Spring to Fall	P	0.2	3	Su					15	S. Amer.
3	Verbena rigida	Sandpaper Verbena	Purple	Summer to Fall	Gc,P	2	4	Su				Yes	15	S. Amer.
3	Verbena tenuisecta 'Edith'	Moss Verbena	Lavender, Purple	Spring	Gc P	1-2	4-5	Su, Wi				Yes	15	S. Amer.
2	Verbesina encelioides	Crown Beard	Yellow	Spring	An	3	3	Wi				Yes		SD,CD
2	Viguiera parishii (V deltoidea)	Goldeneye	Yellow	Spring, Late Summer	P	3	3	Wi, Su					20	SD
3	Viguiera stenoloba	Skeleton-leaf Goldeneye	Yellow	Summer to Fall	S	4-6	3-4	Su					10	TX, NM, No. Mex.
2	Vitex agnus-castus	Chaste Tree, Monk's Pepper	Blue	Summer to Fall	T,S	25	25	Su					5	Medit.
2	Washingtonia filifera	California Fan Palm	Cream	Summer	T	45	15	Su		c		Yes	20	SD
2	Washingtonia robusta	Mexican Fan Palm	Cream	Summer	T	75	10	Su		c		Yes	15	SD
3	Wedelia texana and cultivars (Zexmenia hispida)	Rough Zexmenia, Devil's River	Orange, Yellow	Spring through Fall	S	2-3	2-4	Su				Yes	10	SW U.S., TX
3	Xylosma congestum	Xylosma	insignificant	Spring	T,S	15	15	Su						China
2	Yucca aloifolia	Spanish Bayonet Yucca	White	Spring to Summer	A	10	5	Su					15	SD
1	Yucca baccata	Banana Yucca	White	Late Spring to Summer	A	3	5	Su					5	SD,CD
2	Yucca baileyi		White	Summer	A	4	2	Su					15	CO, UT

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
1	<i>Yucca brevifolia</i>	Joshua Tree	White, Green	Late Winter to early Spring	A	20	20	Wi					0	S. Calif, S.W. Utah
2	<i>Yucca constricta</i>	Buckley Yucca	White	Spring through Summer	A	5	5	Su					0	TX
2	<i>Yucca elata</i>	Soaptree Yucca	White	Late Spring to Summer	A	20	8	Su					0	SD,CD
2	<i>Yucca faxoniana</i> (Y <i>carnerosana</i> )	Giant Dagger Yucca	White	Summer	A	15	4	Su					10	CD
2	<i>Yucca filifera</i> ( <i>australis</i> )	St. Peter's Palm	White		A	2.5	4	Su					10	Mex.
2	<i>Yucca glauca</i>	Soapweed Yucca	White	Summer	A	3	3	Su					25	U.S.
2	<i>Yucca harrimaniae</i>	Harriman's Yucca	White	Mid-Summer	A	6-22	18	Su					-20	SW U.S.
2	<i>Yucca pallida</i>	Paleleaf yucca	White	Late Spring	A	2	2	Su					-10	TX
2	<i>Yucca rigida</i>	Mexican Blue Dagger Yucca	White	Summer	A	12	5	Su					10	CD
2	<i>Yucca rostrata</i>	Beaked Yucca	White	Summer	A	12	9	Su					0	CD
2	<i>Yucca schidigera</i>	Mojave Yucca	White	Spring	A	9-15	4-6	Su					10	W. U.S, Mex.
2	<i>Yucca schottii</i>	Mountain Yucca	White	Early Summer	A	15	4	Su					0	SD
2	<i>Yucca thompsoniana</i>	Thompson Yucca	White	Early Summer	A	10	5	Su					-20	SW TX
2	<i>Yucca torreyi</i>	Torrey's Yucca	White	Spring	A	8-15	6	Su					0	TX, NM, No. Mex.
1	<i>Yucca treculeana</i>	Spanish Dagger, Palma Pita	White	Spring	A	20	?	Su					0	CD, W. TX

WU	Botanical Name	Common Name	Flower Color	Bloom Season	PT	H	W	GS	Toxic	AL	INV	SCA	°F	Origin
1	<i>Yucca whipplei</i>	Our Lord's Candle	White & Purple	Once (Early-Spring)	A	3	6	Su					10	SD
3	<i>Zauschneria californica</i> & varieties	Hummingbird Trumpet	Red, Orange	Summer and Fall	Gc	2	2	Su					20	SD
3	<i>Zephyranthes</i> spp. & varieties	Rain Lily	varies by species- White, Rose, Pink	Summer	Gc,P	1	1.5	Su					0	S. Africa
1	<i>Zinnia acerosa</i>	Desert Zinnia	White-orange centers	Late Spring to Fall	P	1	1	Su					15	SD,CD
2	<i>Zinnia grandiflora</i>	Prairie Zinnia	Yellow, Orange	Summer to Fall	P	1	1	Su					10	SE. AZ, NM
2	<i>Zizyphus jujuba</i>	Chinese Date, Common Jujube	Yellow-white	Spring	T	40	30	Su				Yes	20	Asia

FOR DEPARTMENT USE ONLY Date Received: _____ Received By: _____
---

**SANTA CRUZ ACTIVE MANAGEMENT AREA  
APPLICATION FOR MODIFICATION OF LOW WATER USE/DROUGHT TOLERANT PLANT LIST**

1. Plant to be considered for:  Addition  Deletion

GENUS SPECIES CULTIVAR COMMON NAME

---

2. ATTACH A PICTURE OF THE PLANT, or refer to a commonly available plant guide

---

3. Type of plant (Check all that apply):  Tree  Shrub  Groundcover  Accent  Vine  Grass  
 Cactus  Succulent  Annual  Perennial  Deciduous  Evergreen

4. Is the plant a desert native?  Sonoran  Chihuahuan If not, to what area or country of the world is it native?

---

5. Check the range of **supplemental irrigation required** for the plant in terms of inches per year once established (minimum two growing seasons). If a plant requires more than 18" of irrigation annually it does not meet the requirements for addition to the ADWR plant list.

No supplemental irrigation  5 - 9"  10 - 13"  14 - 18"

6. What is the irrigation frequency (how often the plant must be watered) in the Nogales area for an established specimen of the plant for healthy appearance:

Weekly  Twice Monthly  Monthly

Winter growing season  Summer growing season

7. Hardiness in Santa Cruz County/Nogales: Please indicate the temperature when the plant is likely to freeze in degrees Fahrenheit, this should be obtained from a reputable source and/or experience with the plant  
Freezes and does not recover at approximately \_\_\_\_\_°F Root Hardy to \_\_\_\_\_°F

8. Light Requirements:  Full Sun  Part Shade  Full Shade  Tolerates Reflected Heat

9. Does the plant spread by seed, sucker or other method to the point that it could be considered invasive?  Yes  No

Explain: \_\_\_\_\_

10. Is any portion of the plant toxic to humans or animals?  No  Yes If yes what part? \_\_\_\_\_

11. Is this plant known or suspected to be allergenic?  Yes  No

12. Seasonal Color: \_\_\_\_\_ Flower Color \_\_\_\_\_ Bloom Season \_\_\_\_\_  
 Showy Flowers  Fall Color  Berries



13. Describe your experience with growing the plant. How long has it been grown in the Nogales area? Where in Nogales is it growing? If a plant has not been successfully grown for at least 2-3 years in Nogales, it will not be considered for addition to the list. \_\_\_\_\_
14. Describe the growth habit, (size when mature and space requirements), plant propagation method(s), and the appropriate use of the plant: \_\_\_\_\_
15. Is the plant generally available?  Yes  No If yes, name at least one known source in the Nogales or Tucson areas: \_\_\_\_\_
16. Describe why this plant should be added to or deleted from the low water use/drought tolerant plant list: \_\_\_\_\_

Name of Applicant (Print): \_\_\_\_\_

Address \_\_\_\_\_

Title and Organization \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

**DO NOT WRITE BELOW THIS LINE**

AMA DIRECTOR'S DETERMINATION:  Approved  Disapproved

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date