

**Low Water Use Plants for Las Campanas**

Tracy Neal, 2023

Plant Type	Latin Name	Common Name	Water Needs	Cautions	Comments
<b>TREES -- EVERGREEN</b>					
et	Cupressus arizonica	Arizona Cypress	VL-L	Exp	various selections with different foliage color & form; best with good drainage
et	Cupressus (arizonica) glabra cultivars	Smooth Arizona Cypress	VL-L	Exp	beautiful smooth reddish bark; some forms not reliably hardy
et	Juniperus chinensis cultivars	Chinese Juniper selections	L-M	P/D	
et	Juniperus deppeana	Alligator Juniper	L-M	P/D	foliage is often blue-grey; bark is very ornamental in time (NA)
et	Juniperus monosperma	One-seed Juniper	VL-L	P/D	many (NA)
et	Juniperus scopulorum cultivars	Rocky Mountain Juniper selections	L-M	P/D	(NA)
et	Juniperus virginiana cultivars	Eastern Red Cedar selections	L-M	P/D	
et	Pinus aristata	Bristlecone Pine	L-M		hard to transplant successfully; best with good drainage
et	Pinus edulis	Pinon Pine	L-M	P/D	NM state tree; more pest-resistant with regular irrigation (NA)
et	Pinus heldreichii (leucodermis) cultivars	Bosnian Pine	L-M	P/D	compact & fastigate forms available
et	Pinus monophylla	Single-leaf Pinon	L-M ?	Exp, P/D	southwestern native with grey foliage, single needles
et	Pinus mugo	Mugo Pine	L-M	P/D	P.m. Tannenbaum is a compact tree form
et	Pinus nigra	Austrian Pine	L-M	P/D	tends to get larger than expected; care in siting is important
et	Pinus nigra Oregon Green	Oregon Green Austrian Pine	L- M	Exp, P/D	smaller growing "character" form with distinctive foliage; relatively new so mature size is unknown
<b>TREES -- DECIDUOUS</b>					
dt	Acer campestre Metro Gold	Metro Gold Maple	L-M ?	Exp	
dt	Acer negundo Sensation	Sensation Boxelder	L-M	P/D	male selection less attractive to seed-eating bugs
dt	Acer tataricum	Tatarian Maple	L-M	AI, Exp	Hot Wings selection has showy seeds
dt	Acer truncatum	Shantung Maple	L-M ?	Exp	reputedly adaptable to drought, heat & poor soils; Fire Dragon & Main Street are cultivars with showy red & orange fall color.
dt	Celtis reticulata	Netleaf Hackberry	L-M	P/D, Exp	native; absolute hardiness uncertain; susceptible to nipple galls & witches brooms
dt	Cercis canadensis texensis Oklahoma	Oklahoma Redbud	L-M	Exp	rated hardy to zone 6; more heat & drought tolerant than Eastern redbud
dt	Chilopsis linearis cultivars	Desert Willow	VL-L	Exp	not a true willow; rated hardy to zone 6; best in well-drained soils
dt	Cotinus obovatus	American Smoketree	L-M	Exp	large shrub/small tree; some forms develop showy fall color
dt	Crataegus ambigua	Russian Hawthorn	L-M	AI	showy flowers, fruit & bark; broad spreading form
dt	Crataegus crus-galli	Cockspur Hawthorn	L-M	AI	big thorns, messy fruit; broad spreading form
dt	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn	L-M	AI	thornless form of above
dt	Crataegus phaenopyrum	Washington Hawthorn	L-M	AI	
dt	Crataegus viridis Winter King	Winter King Hawthorn	L-M ?	Exp	uncommon but promising-sounding selection
dt	Gleditsia triacanthos selections	Honeylocust	L-M	P/D	protection
dt	Koeleruteria paniculata	Golden Rain Tree	L-M		summer blooming; can attract boxelder-like bugs which don't harm the tree
dt	Maclura pomifera	Osage Orange	L-M	Exp	very adaptable species; look for thornless male forms like Whiteshield
dt	Malus cultivars and species	Apple, Crabapple selections	L-M	P/D	large selection of well-adapted cultivars
dt	Pistacia chinensis	Chinese Pistache	L-M	Exp	rated hardy to zone 6; late to color
dt	Prunus americana	American Plum	L-M	P/D	suckers to form clumps, edible fruit
dt	Prunus armeniaca cultivars	Apricot selections	VL-L	P/D	very adaptable; fruit drop can be very messy
dt	Prunus virginiana cultivars	Chokecherry selections	L-M	Inv	often sucker heavily from the roots; 'Sucker Punch' reportedly doesn't sucker
dt	Pyrus calleryana cultivars	Flowering Pears	L-M	AI, P/D	form)
dt	Pyrus communis cultivars	European Fruiting Pear selections	L-M	AI, P/D	use fireblight-resistant forms; best crops with regular irrigation
dt	Pyrus ussuriensis Prairie Gem	Prairie Gem Flowering Pear	L-M	Exp	fireblight-resistant, compact tree
dt	Quercus buckleyi	Texas Red Oak	L-M	Exp	tolerates drought & alkaline soils well; good fall color late; can get up to 40' in age
dt	Quercus gambelii	Gambel Oak	VL-L		faster with irrigation; 'Gila Monster' is large tree form
dt	Quercus undulata	Wavyleaf Oak	VL-L	Exp	large shrub/small tree; may be semi-evergreen
dt	Ulmus parvifolia cultivars	Lacebark Elm selections	L-M	Exp, P/D	use Athena Classic or Small Frye in Las Campanas
dt	Ulmus x Frontier	Frontier Elm	L-M	Exp, P/D	new hybrid with bronzy-purple fall color
dt	Zelkova serrata cultivars	Japanese Zelkova selections	L-M	Exp	use City Sprite, Wireless, or Zileration in Las Campanas
dt	Zizyphus jujuba cultivars	Jujube selections	L-M	Exp	promising new fruit tree; check NM extension service for best cultivars

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SHRUBS -- EVERGREEN					
es	Agave havardiana	Havard's Agave	VL	Exp	rated hardy to zone 6; best with good drainage & a warm site
es	Agave neomexicana (A. parryi neomexicana)	New Mexico Agave	VL	Exp	rated hardy to zone 6, likely hardier; best with good drainage & a warm site
es	Agave parryi	Parry's Agave	VL	Exp	cultivars
es	Agave utahensis forms	Utah Agave	VL	Exp	3 varieties sold; best with good drainage & a warm site
es	Arctostaphylos nevadensis	Pinemat Manzanita	L-M	Exp	hard to find; grows well in sun or part shade; best in cooler exposures
es	Arctostaphylos patula	Greenleaf Manzanita	L-M	Exp, Sh	hard to find, hard to transplant successfully
es	Arctostaphylos pungens	Pointleaf Manzanita	L-M	Exp	needs good drainage; hard to find, hard to transplant successfully
es	Arctostaphylos uva-ursi	Kinnickinnick	L-M	Sh	drought tolerant in shade
es	Arctostaphylos x coloradoensis cultivars	Colorado Manzanita forms	VL-L ?	Exp	drainage
es	Artemisia cana <aka Seriphidium canum>	Silver Sage	L-M	Exp	can spread by seed
es	Artemisia nova	Black Sage	VL-L	Exp	best with good drainage; smaller than Artemisia tridentata; hard to find
es	Artemisia tridentata	Big Sage	VL-L		also listed as Seriphidium tridentatum; best with good drainage (NA)
es	Cercocarpus intricatus	Littleleaf Mountain Mahogany	VL-L		(NA)
es	Cercocarpus ledifolius	Curleaf Mountain Mahogany	VL-L		shrubby at first, can become tree-like in time; tolerates part shade (NA)
es	Cotoneaster dammeri cultivars	Bearberry Cotoneaster selections	L-M	Exp, P/D	most cultivars rated hardy to zone 6
es	Echinocereus species	Hedgehog Cactus selections	VL		use hardy forms; hard to clean around (NA-Echinocereus triglochidiatus)
es	Ephedra equisetina	Bluestem Ephedra	VL-L		spreads to form a broad clump; good for erosion control
es	Ephedra viridis	Green Ephedra, Mormon Tea	VL-L		
es	Hesperaloe parviflora cultivars	Texas Red Yucca selections	L-M	P/D	many newer cultivars; seems to be a gopher favorite in some areas
es	Juniperus chinensis cultivars	Chinese Juniper selections	VL-L	P/D	
es	Juniperus horizontalis cultivars	Creeping Juniper selections	L-M	P/D	susceptible to spider mites if stressed
es	Juniperus sabina cultivars	Savin Juniper selections	L-M	P/D	tolerates partial shade
es	Juniperus scopulorum cultivars	Rocky Mountain Juniper selections	L-M	P/D	
es	Juniperus virginiana cultivars	Eastern Red Cedar selections	L-M	P/D	
es	Juniperus x media cultivars	Sea Green/Pfizer Juniper selections	VL-L	P/D	can get very large in time
es	Mahonia aquifolium cultivars	Oregon Grape Holly selections	L-M	P/D, Sh	can spread by seed (bird dispersed)
es	Mahonia fremontii	Fremont Mahonia	VL-L	Exp	very spiny, hard to clean around; slow to fill out (NA)
es	Mahonia haematocarpa	Redberry Mahonia	VL-L	Exp	can get very large; very spiny, hard to clean around (NA)
es	Mahonia repens	Creeping Mahonia	L-M	Sh	drought tolerant in shade
es	Nolina microcarpa	Bear Grass	VL-L		not a grass--do not cut back (NA)
es	Nolina texana	Texas Sacahuista	VL-L	Exp	not a grass--do not cut back
es	Opuntia species & cultivars	selections	VL		(NA)
es	Pinus edulis cultivars	Pinon Pine-dwarf forms	L-M ?	Exp	well adapted on Pinus edulis rootstock
es	Pinus heldreichii (leucodermis) cultivars	Bosnian Pine-dwarf forms	L-M ?	Exp	ultimate sizes in our area unknown
es	Pinus monophylla cultivars	Single-leaf Pinon--dwarf forms	L-M ?	Exp	Blue Jazz is cultivar most readily available in the trade
es	Pinus mugo cultivars	Mugo Pine-dwarf/compact forms	L-M	P/D	P. mugo mughus & P. mugo Pumilio can get much larger than expected
es	Pinus nigra cultivars	Austrian Pine-dwarf forms	L-M	Exp	can get larger than expected in age
es	Pinus sylvestris cultivars	forms	L-M	P/D	some get much larger than expected; some turn yellow-green in winter
es	Purshia stansburyana <aka Cowania mexicana>	Cliffrose	VL-L		needs good drainage; hard to transplant (NA)
es	Quercus turbinella	Shrub Live Oak	VL-L		good for wildlife; deciduous in some locations (NA)
es	Yucca angustissima	Narrowleaf Yucca	VL		thin leafed form native in Las Campanas; often confused with Y. glauca (NA)
es	Yucca baccata	Broadleaf Yucca	VL		(NA)
es	Yucca elata	Soaptree Yucca	VL	Exp	rated hardy to zone 6; develops a trunk in age
es	Yucca glauca	Small Soapweed	VL		common in trade; similar to Y. angustissima (NA)
es	Yucca harrimaniae	Dollhouse Yucca	VL		hard to find dwarf form (NA)
es	Yucca nana	Dwarf Yucca	VL		hard to find dwarf form (NA)
es	Yucca rostrata	Beaked Yucca	VL	Exp	rated hardy to zone 6; develops a trunk in age

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<b>SHRUBS -- DECIDUOUS</b>					
ds	Amelanchier utahensis	Utah Serviceberry	L-M ?	Exp	
ds	Amorpha canescens	Leadplant	VL-L		
ds	Amorpha fruticosa	False Indigo	L-M		
ds	Artemisia filifolia	Sand/Threadleaf Sage	VL-L		needs good drainage; can spread by seed (NA)
ds	Atriplex canescens	Four Wing Saltbush	VL-L		extremely adaptable; female forms have showy fruit; can spread by seed (NA)
ds	Atriplex confertifolia	Shadscale	VL-L	P/D	watch for bird predation
ds	Berberis koreana	Korean Barberry	L-M	Exp	water frequently first year, drought tolerant when established; very thorny; suckers to form clumps; good fall color
ds	Berberis x Tara	Emerald Carousel Barberry	L-M	Exp	color
ds	Buddleia alternifolia	Fountain Butterfly Bush	L-M		spring blooming; can get quite large
ds	Buddleia davidii cultivars	Butterfly Bush	L-M	P/D	summer blooming; need regular irrigation for good flower production; prone to spider mites if drought/heat stressed
ds	Buddleia davidii nanhoensis cultivars	Compact Butterfly Bush selections	L-M	P/D	forms with smaller leaves and blooms--NOT DWARF FORMS
ds	Buddleia x forms	Hybrid Butterfly Bush selections	L-M ?	Exp, P/D	many new hybrids available, some of which are true dwarf forms
ds	Caragana arborescens	Siberian Peashrub	VL-L		nitrogen-fixing legume; tolerates poor soils well
ds	Caragana pygmaea	Pygmy Peashrub	L-M		
ds	Caryopteris x clandonensis cultivars	Blue Mist selections	L-M		very adaptable; can spread by seed; don't overwater in heavy soils
ds	Cercis occidentalis	Western Redbud	L-M ?	Exp	western native rated hardy to zone 6; heat & drought tolerant
ds	Cercocarpus breviflorus	Hairy Mountain Mahogany	L-M	Exp	semi-evergreen to deciduous depending on site & weather
ds	Cercocarpus montanus	Alderleaf Mountain Mahogany	VL-L	P/D	can spread by seed; native form common around Las Campanas (NA)
ds	Chamaebatiaria millefolium	Fernbush	VL-L		briefly deciduous in mild winters (NA)
ds	Cotoneaster apiculatus	Cranberry Cotoneaster	L-M	AI, P/D	
ds	Cotoneaster divaricatus	Spreading Cotoneaster	L-M	P/D	upright arching, not low and spreading
ds	Cotoneaster horizontalis cultivars	Rock Cotoneaster	L-M	AI, P/D	tend to get much wider than expected
ds	Cotoneaster lucidus	Peking Cotoneaster	L-M		
ds	Crataegus coccinoides	Kansas Hawthorn	L-M	Exp	large shrub/small tree with big thorns
ds	Cytisus purgans Spanish Gold	Spanish Gold Broom	L-M	Exp	hardier than Cytisus scoparius forms
ds	Cytisus scoparius cultivars	Scotch Broom varieties	L-M	Exp	absolute hardiness of many uncertain; rated hardy to zone 6
ds	nauseosus>	Chamisa	VL-L	Inv	fall blooming, reseed readily; good for screening (NA)
ds	Ericameria nauseosa nauseosa	Dwarf Chamisa	VL-L		compact form blooms in summer (NA)
ds	Fallugia paradoxa	Apache Plume	VL-L		can spread by seed; good for erosion control & screening (NA)
ds	Fendlera rupicola	Cliff Fendlerbush	VL-L ?	Exp	needs good drainage
ds	Forestiera pubescens (aka Forestiera neomexicana)	New Mexico Privet/ New Mexico Olive	VL-L	P/D	highly adaptable large shrub/small tree, good in water-collection areas; can be pest-prone when stressed; male & female forms (NA)
ds	Genista lydia cultivars	Lydia Broom/Woadwaxen	L-M	Exp	
ds	Genista pilosa cultivars	Silkleaf Woadwaxen	L-M	Exp	
ds	Gutierrezia sarothrae	Broom Snakeweed	VL		toxic to livestock (NA)
ds	Holodiscus dumosus	Rock Spirea	L-M ?	Exp	suckers to form clumps
ds	Jamesia americana	Waxflower	L-M	Sh	best in part or filtered shade
ds	Kraschinikovia lanata	Winterfat	VL	(rodents)	also listed as Ceratoides or Eurotia lanata; can spread by seed (NA)
ds	Lonicera korolkowii cultivars	Blue Honeysuckle selections	L-M		some forms get quite large; can tolerate part shade
ds	Lonicera tatarica cultivars	Tatarian Honeysuckle selections	L-M	P/D	use Arnold Red, Freedom, or Honey Rose
ds	Lycium pallidum	Pale Wolfberry	VL	Inv	very tough native; spreads aggressively by suckers & seeds; thorny (NA)
ds	Malus cultivars	Crabapple-dwarf forms	L-M	P/D	look for fireblight-resistant selections
ds	Peraphyllum ramosissimum	Wild Crab Apple	VL-L		hard to find native
ds	Perovskia atriplicifolia cultivars	Russian Sage selections	L-M	Inv	well adapted non-native; spreads aggressively by suckers
ds	Philadelphus lewisii Cheyenne	Cheyenne Mock Orange	L-M	Exp	western native that endured with no care for years at Cheyenne experiment station
ds	Philadelphus microphyllus	Littleleaf Mock Orange	L-M	Exp	native form considered best for sunny, dry spots; fragrance varies on seedlings

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<b>SHRUBS -- DECIDUOUS</b>					
ds	Potentilla fruticosa (aka Dasiphora fruticosa)	Potentilla selections	L-M	P/D	water frequently first year; more drought tolerant once established
ds	Prunus andersonii	Desert Peach	VL-L	Exp	very drought tolerant; hard to find
ds	Prunus besseyi cultivars	Western Sand Cherry selections	L-M	P/D	best with good drainage
ds	Prunus tomentosa	Nanking Cherry	L-M		plant two or more for good fruit set
ds	Ptelea trifoliata	Hop Tree, Wafer Ash	VL-L	Exp	slow; large shrub/small tree
ds	Purshia tridentata	Antelope Bitterbrush	VL-L	Exp	fragrant bloom; hard to find; can be evergreen in warmer winters
ds	Rhamnus frangula cultivars	Glossy Buckthorn selections	L-M	Exp	
ds	Rhus aromatica cultivars	Fragrant Sumac selections	VL-L		tend to sucker somewhat; variety Gro-Low can get 10-12' wide
ds	Rhus glabra forms	Smooth Sumac	L-M	Inv	spread aggressively by root suckers
ds	Rhus trilobata cultivars	Three-Leaf Sumac selections	VL-L		species form can get quite large (NA)
ds	Rhus typhina forms & cultivars	Staghorn Sumac selections	L-M	Inv	spread aggressively by root suckers
ds	Ribes aureum	Golden Currant	L-M	P/D, Sh	suckers, may spread by seed; most drought tolerant in part shade
ds	Ribes cereum	Wax Currant	VL-L	P/D	many edible parts, good for wildlife; grows well in sun or shade (NA)
ds	Rosa foetida cultivars	Persian Rose selections	L-M	P/D	flowers
ds	Rosa hugonis (aka Rosa xanthina hugonis)	Father Hugo's Rose	L-M	Exp	can get quite large in time
ds	Rosa rubiginosa	Sweetbriar Rose	L-M	Exp	great display of hips in fall & winter
ds	Rosa woodsii	Woods Rose	VL	Inv	native form; suckers aggressively; grows well in partial shade or sun
ds	Rosa xanthina	Manchu Rose	L-M	Exp	some forms produce good thorn & hip display in fall; hard to find
ds	Shepherdia argentea	Silver Buffaloberry	L-M		large shrub/small tree; suckers to form clumps; thorny; edible fruit on female forms
ds	Syringa species & cultivars	Lilac selections	L-M	P/D	many forms to choose from; some sucker heavily, some prone to mildew
ds	Vitex agnus-castus	Vitex, Chaste Tree	L-M	Exp	rated hardy to zone 6; large shrub/small tree
ds	Xanthoceras sorbifolium	Yellowhorn	VL-L	Exp	large shrub/small tree with edible fruit; hard to find

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PERENNIALS & WILDFLOWERS					
p/w	Abronia fragrans	Sweet Sand Verbena	VL		best from seed in well drained soil (NA)
p/w	Achillea species and cultivars	Yarrows	L-M	Inv (some)	A. millefolium forms spread aggressively; some species not drought tolerant
p/w	Agastache species and cultivars	Hummingbird Mints	L-M	Exp	best drought tolerance for some in light or part shade; some forms zone 6 hardy
p/w	Alcea rosea cultivars	Hollyhocks	VL-L	P/D	disease-prone in too much shade/rainy summers
p/w	Allium species & selections	Flowering Onion, Chives	L-M		edible/ornamental; drought tolerance varies
p/w	Alyssum montanum	Mountain Alyssum	L-M	Exp	can spread by seed
p/w	Amauriopsis dissecta, aka Bahia dissecta	Ragleaf Bahia	L-M ?	Exp	annual or biennial with late summer color
p/w	Amsonia jonesii	Jones' Bluestar	L-M ?	Exp	slow to establish
p/w	Anacyclus pyrethrum depressus	Mt. Atlas Daisy	VL-L		grows well in light shade
p/w	Antennaria species	Pussytoes	VL-L		grow well in light shade
p/w	Anthemis marschalliana	Filigree Daisy	L-M ?	Exp	can reseed
p/w	Anthemis tinctoria Susanna Mitchell	Susanna Mitchell Daisy	L-M	Exp	short-lived perennial; rated hardy to zone 6
p/w	Arabis caucasica	Mountain Alyssum	L-M ?	Exp	
p/w	Argemone pleiacantha	Prickly Poppy	VL-L	P/D (rodents)	hard to transplant; best from seed
p/w	Artemisia frigida	Fringed Sage	VL		(NA)
p/w	Artemisia ludoviciana	Louisiana or Prairie Sage	VL-L	Inv	spreads aggressively by runners
p/w	Artemisia species and cultivars	Sages	VL-M		forms that do not spread aggressively include A. v. Sea Foam & A. x Powis Castle; drought tolerance varies
p/w	Asclepias speciosa	Showy Milkweed	L-M	Exp	food source for Monarch butterflies
p/w	Asclepias subverticillata	Horsetail Milkweed	L-M ?	Exp	
p/w	Asclepias tuberosa	Butterfly Weed	L-M ?	Exp, P/D	forms derived from western sources possibly more alkaline tolerant
p/w	Aurinia saxatilis	Basket of Gold	L-M		
p/w	Berlandiera lyrata	Chocolate Flower	VL-L		flowers smell like chocolate; foliage tends to wilt in the afternoon (NA)
p/w	Callirhoe involucrata	Poppy Mallow, Winecups	L-M	P/D (rodents)	grows well in sun or light shade
p/w	Calylophus species	Sundrops	VL-L		C. hartwegii, C. lavandulifolius & C. serrulatus recommended; reseed readily
p/w	Castilleja integra	Indian Paintbrush	VL-L		slow to establish; use with native grasses and wildflowers (NA)
p/w	Centranthus ruber cultivars	Jupiter's Beard forms	L-M		grow well in sun or part shade; reseed readily
p/w	Cerastium tomentosum	Snow in Summer	L-M		grows well in sun or part shade
p/w	Ceratostigma plumbaginoides	Blue Plumbago	VL-L		adaptable to various exposures; very drought tolerant in shade; spreads aggressively
p/w	Chaetopappa ericoides	Baby White Aster	VL-L		may be available only as seed (NA)
p/w	Cleome serrulata	Rocky Mountain Beeplant	VL-L		reseeding annual (NA)
p/w	Dalea purpurea	Purple Prairie Clover	L-M	P/D (rodents)	(NA)
p/w	Datura wrightii	Sacred Datura	VL-L		contains toxic alkaloids; reseeds; self-seeded plants tend to be more drought tolerant
p/w	Diascia integerrima forms	Twinspur	L-M	Exp	most rated hardy to zone 6; Coral Canyon rated hardy to zone 5
p/w	Echinops species and cultivars	Globe Thistle	L-M	Exp, P/D	
p/w	Engelmannia peristenia	Engelmann's Daisy	L-M ?	Exp	
p/w	Epilobium canum/latifolium forms	Hummingbird Trumpets	L-M	Exp	formerly sold as Zauschneria; most drought tolerant in part shade; E.c. garrettii forms are hardiest & spread aggressively
p/w	Eriogonum compositus	Fleabane Daisy	L-M	Exp	grows well in part shade
p/w	Eriogonum species and cultivars	Wild Buckwheats	VL-L		many useful species; E. umbellatum forms (NA)
p/w	Erodium chrysanthum	Yellow Stork's Bill	L-M	Exp	
p/w	Eryngium alpinum & E. amethystinum cultivars	Sea Hollies	L-M	Exp	slow to establish
p/w	Erysimum capitatum	Western Wallflower	VL-L	Exp	biennial
p/w	Euphorbia polychroma	Cushion Spurge	L-M		
p/w	Gaillardia aristata	Blanket Flower	VL-L		native species & its forms (NA)
p/w	Gaura lindheimeri forms	Gaura, Wandflower	L-M		can be short-lived
p/w	Gazania linearis Colorado Gold	Colorado Gold Gazania	L-M	Exp	
p/w	Glandularia bipinnatifida aka Verbena wrightii	Purple Verbena	VL-L		(NA)

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PERENNIALS & WILDFLOWERS					
p/w	Goniolimon (Limonium) tataricum	German Statice	L-M	Exp	
p/w	Gypsophila paniculata	Baby's Breath	L-M		
p/w	Helianthemum nummularium cultivars	Sunrose varieties	L-M		
p/w	Helianthus maximiliani	Maximilian Sunflower	VL-L		can spread aggressively with extra water
p/w	Heterotheca villosa	Hairy Golden Aster	VL-L		long-blooming; spreads by seed (NA)
p/w	Iberis sempervirens cultivars	Evergreen Candytuft	L-M		adapts to sun or part shade
p/w	Ipomoea leptophylla	Bush Morning Glory	VL-L	Exp	slow to establish
p/w	Iris x germanica cultivars	Bearded Iris	L-M	P/D	
p/w	Ipomopsis longiflora	Long-flowered Gilia	VL-L		annual or biennial (NA)
p/w	Ipomopsis multiflora	Many-flowered Gilia	L-M		perennial (NA)
p/w	Kniphofia uvaria cultivars	Red Hot Poker	L-M		
p/w	Lavandula angustifolium, L. x intermedia cultivars	English and Lavandin Lavenders	L-M	Exp	many new cultivars; hardiness varies
p/w	Lepidium medium	Mounding Peppergrass	L-M		common after summer rains (NA)
p/w	Liatris punctata	Gayfeather	L-M		native form
p/w	Linum flavum	Yellow Flax	L-M	Exp	needs well-drained soil
p/w	Linum narbonense	Spanish Blue Flax	L-M ?	Exp	reputed to be longer-lived & showier than native blue flax
p/w	Linum perenne lewisii	Blue Flax	VL-L		southwestern native form (NA)
p/w	Lupinus argenteus	Silver Lupine	VL-L		hard to transplant
p/w	Lychnis coronaria	Rose Campion	L-M	Exp	grows well in light shade
p/w	Macaeranthera bigelovii	Native Purple Aster	L-M		popular native wildflower; biennial or short-lived perennial (NA)
p/w	Marrubium rotundifolium	Silver Edged Horehound	L-M		
p/w	Melampodium leucanthum	Blackfoot Daisy	VL-L		hard to establish; grows well in clay soil if not overwatered (NA)
p/w	Menodora scabra	Rough Menodora	L-M	Exp	
p/w	Mentzelia decapetala	Blazing Star	VL-L	Exp	biennial; may be hard to find; easier from seed
p/w	Mentzelia multiflora	Adonis Blazing Star	VL-L	Exp	perennial
p/w	Mirabilis multiflora	Desert Four O'Clock	VL-L	P/D	can be hard to establish; tolerates part shade (NA)
p/w	Nepeta x faassenii forms	Hybrid Catmints	L-M		modern hybrids that don't reseed much
p/w	Oenothera coronopifolia	Sand Evening Primrose	VL-L		species found in Las Campanas (NA)
p/w	Oenothera species	Evening Primrose forms	VL-M	P/D	southwestern natives are most drought tolerant & hardest to establish
p/w	Origanum species & cultivars	Ornamental Oregano forms	L-M	Exp	several species and cultivars; hardiness & drought tolerance varies
p/w	Papaver atlanticum	Spanish Poppy, Moroccan Poppy	L-M ?	Exp	
p/w	Penstemon species & cultivars	Penstemons	VL-L		wide selection of species & new hybrids, some more drought tolerant & hardier than others, (NA-some)
p/w	Phacelia integrifolia	Scorpionweed	VL-L		common around Las Campanas (NA)
p/w	Phemeranthus (aka Talinum) calycinum	Fame Flower	L-M	Exp	
p/w	Phlox nana	Santa Fe Phlox	VL-L		hard to find native
p/w	Phlox subulata	Creeping Phlox	L-M		easiest, most drought tolerant in part shade
p/w	Psilostrophe tagetina	Paperflower	L-M		can be hard to establish; tends to be short-lived; reseeds in some locations (NA)
p/w	Ratibida columnifera forms	Native Coneflower	VL-L		reseed readily (NA)
p/w	Rosmarinus officinalis Arp	Arp Rosemary	L-M	Exp	one of the hardiest forms, plant in warm protected microclimates
p/w	Salvia species and cultivars	Sages	VL-M		wide selection of species & new hybrids, some more drought tolerant than others; hardiness varies
p/w	Santolina chamaecyparissus	Grey Santolina	VL-L		evergrey shrublet; can be hard to grow on some sites, needs good drainage
p/w	Scabiosa ochroleuca	Yellow Pincushion Flower	L-M	Exp	short-lived perennial, reseeds
p/w	Sedum species & cultivars	Stonecrops	L-M	(rodents)	wide selection of species & new hybrids, some more drought tolerant than others
p/w	Sempervivum species & cultivars	Hens & Chicks	L-M		will tolerate part shade
p/w	Senecio longilobus/flaccidus	Silver Groundsel	VL-L		native subshrub (NA)

**Low Water Use Plants for Las Campanas**

Tracy Neal, 2023

PERENNIALS & WILDFLOWERS					
p/w	Sphaeralcea species	Globe Mallows	VL-L	P/D, Inv	western wildflowers; most reseed, some forms can be invasive; <i>S. angustifolia</i> (NA)
p/w	Stachys byzantina forms	Lambs' Ears	L-M		grow well in part shade
p/w	Stanleya pinnata	Prince's Plume	VL-L		can be hard to establish
p/w	Symphotricum falcatum commutatum	White Heath Aster	L-M ?	Exp	may only be available as seed
p/w	Tanacetum densum Amani	Partridge Feather	VL-L		evergrey foliage; tolerates light shade
p/w	Tetranneuris acaulis	Angelita/Sundancer Daisy	L-M	Exp	aka <i>Hymenoxys acaulis</i>
p/w	Tetranneuris argentea	Perky Sue	VL-L		aka <i>Hymenoxys argentea</i> (NA)
p/w	Tetranneuris scaposa	Thrift-leaf Perky Sue	VL-L		aka <i>Hymenoxys scaposa</i>
p/w	Teucrium aroanium	Gray Creeping Germander	L-M	Exp	rated hardy to zone 6; can be a short-lived perennial, may reseed
p/w	Teucrium chamaedrys forms	Wall Germander	L-M	Exp	rated hardy to zone 6; semi-evergreen
p/w	Thelesperma megapotamicum	Cota	VL-L		native medicinal herb (NA)
p/w	Thymus species and cultivars	Thymes	L-M		many creeping forms, plus culinary thymes; drought tolerance and hardiness varies
p/w	Tradescantia occidentalis	Western Spiderwort	VL-L	Exp	may be hard to find
p/w	Verbascum thapsus	Native Mullein	VL	Inv	biennial; reseeds heavily
p/w	Verbesina encelioides	Golden Crownbeard	L-M		reseeds readily; flowers stink (NA)
p/w	Veronica species & cultivars	Veronicas	L-M		many good groundcover forms; drought tolerance varies
p/w	Viguiera ( <i>Heliomeris</i> ) multiflora	Showy Goldeneye	VL-L	Exp	
p/w	Wyethia scabra	Rough Mule's Ears	VL-L	Exp	
p/w	Zinnia grandiflora forms	Rocky Mountain Zinnia	VL-L		easier to establish from seed (NA)
GRASSES					
g	Acnatherum (aka <i>Oryzopsis</i> ) hymenoides	Indian Rice Grass	VL		can spread by seed (NA)
g	Andropogon gerardii cultivars	Big Bluestem forms	L-M		can spread by seed
g	Bothriochloa laguroides torreyana	Silver Beardgrass	L-M	Exp	aka <i>Andropogon saccharoides</i> ; can spread by seed
g	Bouteloua curtipendula	Sideoats Grama	VL-L		can spread by seed (NA)
g	Bouteloua gracilis	Blue Grama	VL-L		can spread by seed (NA)
g	Buchloe dactyloides cultivars	Buffalograss forms	VL-L		best in clay or loamy soils; spreads by runners (NA)
g	Cortaderia selloana Pumila	Dwarf Pampas Grass	L-M ?	Exp	rated hardy to zone 6
g	riparium	Streambank Wheatgrass	L-M		spreads by runners; good for erosion control (NA)
g	Eragrostis trichodes	Sand Love Grass	L-M		can spread by seed; can be short-lived
g	Hesperostipa comata	Needle and Thread Grass	VL-L		seed heads can be problematic for pets (NA)
g	Hesperostipa neomexicana	New Mexico Feather Grass	VL-L		seed heads can be problematic for pets
g	Lycurus setosus	Wolftail Grass	L-M ?	Exp	can spread by seed
g	Muhlenbergia reverchonii	Seep Muhly	L-M	Exp	Autumn Embers & Undaunted Ruby good cultivars for here
g	Muhlenbergia rigens	Deer Grass	L-M ?	Exp	rated hardy to zone 6
g	Muhlenbergia torreyi	Ring Muhly	VL		can spread by seed
g	Muhlenbergia wrightii	Spike Muhly	L-M		can spread by seed; good for erosion control (NA)
g	Nassella tenuissima	Threadgrass	VL-L	Inv	spreads aggressively by seed
g	Panicum virgatum cultivars	Switchgrass forms	L-M		
g	Pascopyrum ( <i>Agropyron</i> ) smithii	Western Wheatgrass	L-M	Inv	spreads very aggressively when irrigated, can crowd out other plants (NA)
g	Pleuraphis ( <i>Hilaria</i> ) jamesii	Galleta Grass	VL-L		spreads by runners once established (NA)
g	Schizachyrium scoparium cultivars	Little Bluestem forms	VL-L		can spread by seed; best with some irrigation (NA)
g	Sorghastrum nutans cultivars	Indian Grass forms	L-M		can spread by seed
g	Sporobolus airoides	Alkali Sacaton	VL-L		can spread by seed (NA)
g	Sporobolus cryptandrus	Sand Dropseed	VL-L		can spread by seed (NA)
g	Sporobolus wrightii	Giant Sacaton	L-M		
<p>Note: Rabbits are naturally inclined to eat grasses, especially those that are newly planted and succulent. In times of drought, they may eat any of them, but several of these grasses tend to persist with occasional predation once they are established.</p>					
<p><i>Tracy Neal has worked in the field of horticulture for over fifty years. He moved to Santa Fe in 1986 to work as the nursery manager at Santa Fe Greenhouses. Since 1995 he has worked as a landscape consultant, designer, and teacher. He became a Certified Arborist in 2000 and is a member of the City of Santa Fe Municipal Tree Board. He currently works as the landscape consultant for the Design Review Committee of the Las Campanas Master Association.</i></p>					