

# Green & Gold Plant List

## 2014 Update

The following plant list is an update of the 2009 Green & Gold Plan plant palette. The sections are divided into recommended trees, shrubs, grasses, and groundcover and vines based on the experience of Facilities Management Grounds Department, Student Housing, and the Office of Environmental Planning & Sustainability. The below list reflects the goals of the Green & Gold Plan to develop sustainable landscapes that conserve water, energy, labor. We have also included a Do Not Use List of species that have been found to negatively impact the campus landscape.

### DO NOT USE LIST:

The following plants should no longer be used on campus.

#### TREES

SPECIES NAME Botanical/Common Name	NOTES
Celtis sinensis Japanese Hackberry	
Liquidambar styracifolia/ Sweetgum	Roots can cause pavement damage.
Platanus Mexicana/ Mexican Sycamore	Roots can lift pavement, fruit litter can be a problem.
Robinia ambigua/ Locust 'Purple Robe'	May sucker; needs early pruning to maintain compact branching.  Does not do well on campus

#### SHRUBS/GRASSES

SPECIES NAME Botanical/Common Name	NOTES
Nassella tenuissima/ Mexican feathergrass	Invasive.
Pennisetum setaceum/ Fountain grass	Invasive.

#### GROUNDCOVERS

SPECIES NAME Botanical/Common Name	NOTES
Iceplants: Carpobrotus edulis/ Highway Iceplants & Mesembryanthemum crystallinum/	This plant is listed as an invasive by the California Invasive Plant Council (CAL-IPC). Suppresses growth of adjacent trees and shrubs.
Tulbaghia violacea/Society Garlic	Pungent odor.

## APPROVED PLANT LIST:

The following plant list serves as a guide for choosing plants for landscape projects. Plants should be chosen based on conservation of water conservation, longevity and ease of maintenance.

Legend:

Size: Height and Spread in Feet (H'xW')

Type: E – Evergreen, SE – Semi-evergreen, D- Deciduous, F- Flowering, N- Native

Water Requirements: VL = very low, L = low, M= medium, H= high

*Water requirements based on Bob Perry's book 'Landscape Plants for California Gardens'.*

## TREES

SPECIES NAME Botanical/Common Name	SIZE (H X W)	TYPE	WATER REQ.	NOTES
Agonis flexuosa/ Peppermint Tree	25-35'	E	M/L	Does well with little attention. Drought tolerant once established. Requires good drainage. Good for parking lots.
Alnus rhombifolia/ Large White Alder	50-90' x 40'	D, N	H	Susceptible to tent caterpillars; tolerates heat and wind. For use in riparian areas.
Arbutus sp. Strawberry Tree A. 'Marina'	15-30' x 15-30'	E	M/L	Tolerates high wind and fluctuating water qualities. Drought tolerant once established.
Bauhinia x blakeana/ Hong Kong Orchid Tree	20' x 20'	S, F	M/L	Sterile seeds, but can be messy. Drought tolerant once established.
Brachychiton populneus/ Kurrajong Bottle Tree	30-45' x 25-30'	E, F	M/L	Litter and seeds can be a problem as well as roots uplifting hardscape.
Calocedrus decurrens/ Incense Cedar	40-80' x 6- 10'	E	M/L	Slow growth at first, but will grow up to 2' per year after established; needs well drained soil.
Cassia leptophylla/ Gold Medallion Tree Cassia splendida/ Golden Wonder Senna	20-25' x 30 15-18'x15'	E, F	M	Drought tolerant.
Causarina cunninghamiana River She Oak	50-70'x30'	E	M/L	Native to Australia. Performs well without summer watering.
Cercis canadensis/ Eastern Redbud C. 'Forest Pansy' C. 'Oklahoma' Cercis occidentalis/ Western redbud	15-20' x 15-20'	D  D,N	M  M/L	Eastern redbuds are a suitable understory tree and accent for entries.  Western redbuds are a suitable understory tree and accent for entries.
Cinnamomum camphora Camphor Tree	50-60' x 60'	E	M	Litter can be a problem. Needs lots of space and good soil.
C. arozonica/ Arizona cypress	35-50' x 20-30'	E	L/VL	Requires little or no water after established. Slow grower in native conditions but with water and good

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				drainage can grow quickly.
Eriobotrya deflexa/ Bronze Loquat	15-20' x 10-15'	E	M	Shade tolerant and drought tolerant once established.
Feijoa sellowiana/ Pineapple Guava	10-15' x 10-15'	E,F	M/L	Full sun. Small specimen tree.
Geijera parviflora Australian Willow	20-35' x 20-30'	E	M/L	Full sun or light shade. Drought tolerant.
Jacaranda mimosifolia/ Jacaranda	25-40' x 25-35'	D, F	M	Do not use near walkways or parking lots.
Juglans californica California Black Walnut	15-30' x 15-30'	D, N	M/L	Allelopathic, extremely difficult to grow anything at base of tree.
Juniperus californica California Juniper	10-40' x 10-40'	E, N	M/L	Needs full sun, coarse well drained soils.
Koelreuteria bipinnata Chinese Flame Tree	20-40' x 40-60'	D,F	M	Roots are deep but not invasive; wood can be brittle.
Lagerstroemia hybrids/ Crape Myrtle	15-25' x 15-25'	D, F	M	Flowers may stain pavement/cars.
Laurus n. 'Saratoga'/ Saratoga Laurel	25-30 x 20-25	E, F	M/L	
Lophostemon confertus/ Brisbane Box	35-45' x 25-35'	E	M/L	Full sun to partial shade. Drought tolerant.
Lysiloma microphylla var. thornberi Feather Bush	12-15' x 15-20'	E	M/L	Requires very little care. Little or no watering once established. Full sun and good drainage.
Magnolia grandiflora/ Magnolia  M. g. 'Little Gem'  M. g. 'Majestic Beauty'  M. g. 'San Marino'	20-25' x 10-15'     40-50' x 20-25'	E, F	M	Narrow and slow good for small spaces.
Markhamia lutea/ Bell Bean Tree	20-40' x 20-40'	E, F		Hard to find but good tree to have on campus. Not messy.
Melaleuca species  M. quinquinervaria Flaxleaf Paperbark  M. q. 'Snow in Summer'	   20-30' x 20-25'	E, F	   M	
M. stypheoides Prickly Paperbark	20-40' x 10-20'	E, F	M	
Metrosideros excels/ New Zealand Christmas Tree	15-30' x 15-30'	E,F	M/L	Full sun. Best suited for coastal climate.

Parkinsonia species	15-30' x 15-30'	D, F	M/L	Full sun, tolerates clay soil, drought tolerant
P. 'Desert Museum'	20-30' x 20-25'			
Pinus canariensis Canary Island Pine	50-80' x 20-35'	E	M/L	Resists root rot. Needs supplemental water.
P. coulteri Coulter Pine	30-80' x 20-40'	E	L/VL	Large cones dangerous around walkways, stairs, and parking lots. Plant prior to winter rains. Needs dry soils.
P. eldarica Afghan Pine	30-80' x 15-25'	E		Interesting cone structure.
P. pinea Italian Stone Pine	40-80' x 40-60'	E	M/L	College of Med., Aldrich Park, Kreiger Hall; full sun and well drained soils; Drought tolerant.
P. sabaniana Gray Pine	40-80' x 30-50'	E	L/VL	Native to California.
Pinus torreyana Torrey Pine	40-60' x 25-40'	E	L/VL	Pruning causes branches to die back; less open in heavy soils. Drought tolerant.
Pistacia chinensis Chinese Pistache	30-60' x 30-60'	SE-D, F	M	Full sun, drought tolerant once established.
Platanus racemosa Western Sycamore	50-90' x 30-50'	D	H/M	Prone to mildew and anthracnose; tolerant of high winds and heat; not drought tolerant.
Podocarpus henkelii Long-leafed Yellowwood	30-50' x 12-20'	E	M	Best suited for well drained soils. Full sun to partial shade.
P. macrophyllus/ Yew Pine	40-50' x 20-25'	E	M	Full sun or partial shade. Drought tolerant once established.
Prosopis chilensis Chilean Mesquite	25-30' x 25-30'	E	M/L	Needs well drained soil.
Prosopis glandulosa Texas Mesquite	25-30' x 25-30'	D	M/L	
Prunus caroliniana Carolina Laurel Cherry	20-30' x 15-25'	E, F	M	Street planting is discouraged due to messiness; adult trees need less irrigation.
Prunus lyonii Catalina Cherry	30-45' x 20-30'	E, F	M/L	Do not use as street trees, fruit droppings are a hazard; highly disease tolerant; heavy soils may cause shorter life span.
Rhus lancea African Sumac	20-30' x 20-35'	E,F	M/L	
Quercus agrifolia	20-70' x	E	M/L	Susceptible to Oak Moth larvae and

Coast Live Oak	40-70'			Sudden Oak Death.
Quercus dumosa Scrub Oak	3-12' x 12'	SE		
Quercus engelmannii Engelmann Oak	20-50' x 20-50'	E		Native to southern California. Drought tolerant.
Quercus suber Cork Oak	60-80' x 40-50'	E		Well adapted to heat and drought. Needs little summer water.
Quercus virginiana Southern Live Oak	40'-70' x 90'	E	M	Tolerates heat and aridity. Does well with regular moisture. Durable.
Sambucus nigra 'mexicana'/ Blue Elderberry	15-30' x 8- 20'	D, F	M/L	Native to coastal sage scrub community. Drought tolerant.
Schinus molle California Pepper Tree	25-40' x 25-40'	E, F	L/VL	Do not plant along streets of near plumbing as roots are very large and invasive.
Sophora japonica Japanese Pagoda Tree	50-70' x 50-70'	D, F	M	
Taxodium mucronatum/ Montezuma cypress	40-60' x 30-40'	E	M	Native to Mexico. Grows best with regular water.
Tipuana Tipu Tree	25-40' x 30-60'	SE, F	M	Very clean. Requires additional maintenance due to fast growth. Parking lots, courtyards
Ulmus parviflora Chinese Elm	60' x 70'	D	M	Excellent shade tree. Good for parking lots.
Umbellularia californica California Bay	75' x 100'	E, F	H/M	Good street tree, very little litter; main host of fungus that causes sudden oak death.

## SHRUBS

SPECIES NAME Botanical/Common Name	SIZE (H X W)	TYPE	WATER REQ.	CAMPUS USE AND EXPERIENCE
Abelia grandiflora Glossy abelia	8-10' x 5'	E- SE, F	M	Not drought tolerant. Moderate growth.
Abutilon palmeri/ Desert Mallow	6-8ft tall	SE, F	M/L	Adapted to low and intermediate desert climate and reduced summer water.

Arctostaphylos Manzanita  'Howard McMinn'  'Joyce Coulter'  'Point Reyes'	Varies dependi ng on cultivar	E,F	M/L	Drought tolerant once established. Prune new wood only. Slow to moderate growth.
Artemisia californica California Sagebrush A. 'Canyon Gray'	11/2-5' x 4-7'	E, N, F	L/VL	Drought tolerant.
Baccharis pilularis 'Centennial'  B. p. 'Twin Peaks'	3' x 4-5'	E, F	M/L	Tolerates desert heats. Resists root rot caused by water molds.
Cassia bicapsularis				
Ceanothus California lilac  'Dark Star'  'Louis Edmunds'  'Snow Flurry'	Varies	E,F	M/L	Most are short lived. Some drought tolerant others require summer water. Fast growth.
Cercocarpus betuloides/ Mountain Ironwood  C. minutiflorus/ S.D. Mountain Mahogany	5-12' x 5-12'	E,F	L/VL  L/VL	Slow to moderate growth.  Native to dry foothills in Southern California.
Cistus species  C. purpureous Orchid Rockrose  C. pulverulentus 'Sunset'	4' x 4'	E,F	M/L	Fire retardant. Do not use root bound specimens.
Comarostaphylis diversifolia Summer Holly	6-18' x 4-8'	E,N,F	M/L	
Coprosma 'Verde Vista'	2-3' x 6- 8'	E,F	M	
Cotoneaster species	Varies dependi ng on	E or D, F.	M	

Cotoneaster dammeri 'Lowfast' Bearberry Cotoneaster	cultivar 1' x 2'	E,F	M	
Eleagnus pungens Silverberry	10-15' x 10-15'	E,F	M/L	
Fremontodendron Californicum California Flannel Bush	20' x 12'	E, N, F	L/VL	Absolutely no summer water. Conical seed capsules can irritate skin
Galvezia speciosa Island Bush Snapdragon	3' x 5'	E,F	M/L	Not drought tolerant.
Garrya elliptica Coastal silk tassel	10-20' x 10-20'	E,F	M/L	
Grevillea 'Noellii' 'Noell' Grevillea	4' x 4-5'	E,F	M/L	Not drought tolerant.
Hakea laurina Sea Urchin Tree	10-25' x 9-30'	E,F	M/L	Hakea laurina Sea Urchin Tree
Heteromeles arbutifolia Toyon	6-10' x 6-10'	E,N,F	M/L	Subject to fire blight. Tolerates drought but prefers moderate water.
Iva hayesiana San Diego Marsh Elder	2-3' x 4- 5'	E,F	M/L	
Lavandula species  L. dentata French Lavender  L. pinnatta (multifida) Fernleaf Lavender  L. stoechas Spanish Lavender	  3-4' x 4- 6  1 ½' x 2-3'  2-3' x 2- 3'	  E,F  E,F  E	  M/L  M/L	
Lavatera assurgentiflora Tree Mallow	12' x 12'	E,N,F	M/L	Best growth from seed. Needs annual pruning.
Leucophyllum species  Leucophyllum frutescens compacta 'Compact Texas Ranger'	  7' x 7'	  E,N,F	  L/VL	Good foundation shrub. Drought tolerant.
Leptospermum Tea Tree	Varies	E,F	M/L	
Mahonia pinnata California Holly Grape  Mahonia repens Creeping Mahonia	4-5' x 4- 5'  1' x 3'	E,N,F  E,N,F		
Malosma laurina	12-20' x	E,F	L/VL	Fire risk due to high oil and resin content of

Laurel Sumac	12-20'			plant.
Myrica californica Pacific Wax Myrtle	10-30' x 10-30'	E,N,F	M/L	
Pyracantha koidzumii 'Santa Cruz' Firethorn 'Santa Cruz'	3-6' x 10'	E,F	M/L	Subject to fire blight, scale, wooly aphids and red spider mites. Not drought tolerant.
Rhamnus californica Coffeeberry  R. 'Mound San Bruno'	3-15' x 8'	E,F	M/L	Native to southern California. Needs good drainage.
Rhaphiolepis Hawthorne  Rhaphiolepis indica 'Ballerina'  'Clara'	Varies  2-3' x 2- 3'  3-5' x 4- 6'	E,F  E,F  E,F	M	Not drought tolerant. Good shrub for hedges.  Low growing cultivar.
R. integrifolia/ Lemonade berry	3-10' x 3-10'	E,N,F	L/VL	California native.
Ribes sanguineum Pink Winter Currant  R. speciosum Fuchsia Flowering Gooseberr  R. viburnifolium Evergreen Currant	5-12' x 5-12'  4-8' x 6- 10'  3-6' x 12'	SE,N,F  E,N,F  E,N,F	H/M  M/L  M/L	
Romneya coulteri 'White Cloud'	6-10' x 5-10'	Perennial F	L/VL	Young plants sometimes struggle to become established, when established sometimes hard to contain.
Rosa banksiae Lady Bank's Rose  Rosa californica	10-20' x 20-25'  10-20' x 20-25'	E,F  E,N,F	M  M/L	Almost disease proof. Aphid resistant  Native to southern California. Highly adaptable.
Rosmarinus officinalis 'prostratus' Prostrate Rosemary	2' x 4-8'	E,F	M/L	
Ruellia californica California Petunia	2-4' x 2- 4'	E,F	M/L	Drought tolerant.
Salvia species:  S. apiana White Sage  S. greggii	3-5' x 3- 5'  1-4' x 1- 4'  3-5' x 3-	E,F  E,F  E,N,F	  L/VL  L/VL	Salvia species can be short lived.  Goes dormant in fall.



Autumn Sage S. 'Winifred Gilman'	5'			
Tecoma stans Yellow bells	10'-25' tall	E,F	M/L	
Trichostema lanatum Woolly Blue Curls	3-5' x 4- 8'	E,N,F	M/L	Needs perfect drainage.

## GRASSES

SPECIES NAME Botanical/Common Name	SIZE (H X W)	CHARACT ERISTICS	WATER REQ.	CAMPUS USE AND EXPERIENCE
Boutelea g. 'Blonde Ambition' Blonde Ambition Grama Grass	18"			
Carex species  C. divulsa/ Berkeley sedge  C. pansa  C. praegracilis	18"	  Mowable  Mowable.	  M  M  M	Clumping grass. Cut back once a year.
Festuca mairei/ Atlas Fescue	3'		M	Clumping grass. Cut back once a year.
Leymus species  L. c. 'Canyon Prince'  L. t. 'Lagunitas'	3'	  Mowable.	  M  M	Clumping grass. Cut back once a year.  Takes moderate foot traffic.
Muhlenbergia species  M. rigens/ Deer Grass  M. 'Regal Mist'	4' x 4'	Perennial, N	M/L	Plant plugs 1-2' apart for best results.
Pennisetum spathiolatum Silver Sveltd Grass	2'			

## GROUNDCOVER and VINES

SPECIES NAME Botanical/Common Name	SIZE (H X W)	TYPE	WATER REQ.	CAMPUS USE AND EXPERIENCE
Achillea species Achilla millefolium 'Common yarrow Paprika'	18-30"	E,F	M/L	
B. p. 'Twin Peaks'/ Dwarf Coyote Bush	8-24" x 6'	E,N	M/L	
Bougainvillea species/ Bougainvillea	Varies dependi ng on cultivar	E,F	M/L	Roots are easily damaged. Blooms best with water.
Calystegia macrostegia Island Morning Glory	2' x 2'	SD,N,F		Becomes deciduous under water stress.
Carrissa grandiflora 'Green Carpet' Green Carpet Natal Plum	1 ½' x 4-6'	E,F	M	Spines can be hazardous if planted to close to walkways. Not drought tolerant.
Ceratostigma plumbaginoides Dwarf Plumbago	6-12" x 2'	Perennial F	M	
Corethogyne leucophylla/ Carnes Aster				
Delosperma 'Alba' White Trailing Ice Plant	6-12" x ind.	Perennial F	L/VL	Plant plugs 12" apart for best coverage. Fire retardant.
Dianella species 'Little Becca'		E,F	M	Good in full sun to full shade, drought tolerant <a href="http://www.landscapegardeningplants.com/landscapenews/plantprofile_littlebecca.html">http://www.landscapegardeningplants.com/landscapenews/plantprofile_littlebecca.html</a>
Drosanthemum floribundum Rosea Ice Plant	6" x ind.	Perennial F	L/VL	Fire retardant.
Fragaria californica/ California strawberry				
Galvesia speciosa Island Bush Snap Dragon	3' x 5'	E,N,F.	M/L	
Grindelia camporum/ Great Valley Gum Plant	1-2' x 3'	E,N,F		Tolerates salt conditions.
Hardenbergia violcea False Sarsaparilla	3' x 3'	E,F	M/L	Prone to spider mites and nematodes.
Heuchera species/ Alum Root	Varies	Perennial, F	H/M	
Hypericum calicynum Creeping St. Johnwort	1' x indefinit e	E to SE, F	M	Plant plugs 18" apart for best results. Mow every 2-3 years during dormant period. Can be invasive.
Iris douglasiana/ Dwarf Iris	12-18" x	E,N,F	H/M	

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Pacific Coast Iris	1'			
Iva hayesiana San Diego Marsh Elder	1-3' x 8-12'	E, N, F	M/L	Mow every 3-5 years.
Juniperus rigida conferta Shore Juniper	Varies	E, F	M/L	Variegated species burn in hot sun.
J. horizontalis Creeping Juniper	Varies	E, F	M	
Lantana montevidensis Trailing Lantana	2' x 3-6'	E, F	M/L	
Lobelia laxiflora Mexican bush lobelia	2-3' x 4-6'	Perennial, F	M/L	
Lonicera japonica 'Halliana' Hall's Japanese Honeysuckle	30'	E, F	M	Needs severe pruning once a year if used as fire retardant.
Macfadyena unguis-cati Cat's Claw Vine	25-40'	E or D; F	M	
Mahonia aquafolium 'compacta' Oregon Grape	2-3' x 5'	E, F		
M. repens Creeping Mahonia	1' x 3'	E, F		
Myoporum species  M. 'New Port Coast'  M. 'Putah Creek'	2' x 30'	E, F		Resistant to leaf virus.
Oenothera stubbei/ Saltillo Evening Primrose	5" x 4'	Perennial, F	M/L	
Plecostachys serpyllifolia/ Asteraceae	1 1/2' x 3'	Perennial, F	M/L	
Rosemarinus officinalis 'prostratus' Creeping Rosemary	2' x 4-8'	E, F	M/L	Plant 2' apart for faster coverage.
Sisyrinchium bellum/ Blue-Eyed Grass	4-24" x 6-24"	Perennial N, F	M/L	
Solanum jasminoides Potato Vine	30'	E, F	M	
Westringia species  W. 'Mundii'			M/L	

Perennials

SPECIES NAME Botanical/Common Name	SIZE H x W	TYPE	WATER REQ.	CAMPUS USE AND EXPERIENCE
Centranthus rubra Jupiter's Beard	3' x 3'	Perennial, F	M/L	Can become invasive. Cut old flowering stems to prevent self seeding.
Dietes Fortnight Lily	Varies dependi ng on cultivar	Perennial, F	M	Plant from containers setting 2' apart. Once established can so well in poor soils and little water.
Gaura lindheimeri Gaura	2 ½ -4' x 2-3'	Perennial, F	M/L	Drought tolerant. Flower spikes should be removed to improve appearance, prolong bloom and reduce self sowing seeds.
Geranium incanum Cranes Beak Geranium	6-10" x 2'	Perennial, F	M/L	Endures heat but needs some summer water. Can be invasive through self-seeding.
Lantana ssp.	Varies	Perennial, F	M/L	Prone to mildew in shade. Prune hard in spring to prevent woodiness. Too much water and fertilizer reduces bloom.
Limonium perezii Statice (Sea lavender)	3' x 3'	Perennial, F	M/L	
Nemesia frutescens	2' x 1'	Perennial, F		Cut plant back to stimulate new growth.
Penstemon Beard tongue	Varies	Perennial, F	L/VL	
Rosa 'Multabilis' Butterfly Rose	3-6' x 3- 6'	Perennial, F	M	Light open habit. Tolerates poor soil, partial shade, and high humidity.
Rosa 'Playgold' Dwarf Rose 'Playgold'	1-1 ½' x 2'	Perennial, F	M	Disease resistant.
Scaveola 'Mauve Clusters' Fan Flower	4-6" x 3-5'	Perennial, F	M	Set plants 2' apart for best coverage.