

Green & Gold Plant List

2018 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 and labor.

RESTRICTED PLANTS:

The following plants should not be used on campus.

TREES

SPECIES NAME Botanical/Common Name	NOTES
Celtis sinensis Japanese Hackberry	
Liquidambar styracifolia/ Sweetgum	Roots can cause pavement damage.
Pinus halapensis/ Aleppo Pine	
Platanus Mexicana/ Mexican Sycamore	Roots can lift pavement, fruit litter can be a problem. Known PSHB host.
Robinia ambigua/ Locust 'Purple Robe'	May sucker; needs early pruning to maintain compact branching. Does not thrive with campus soils.

As of March 2015 certain trees species have been identified as being infested with the Polyphagous Shot Hole Borer (PSHB). Host and non-reproductive host trees should not be planted on campus. For a current list of reproductive host species and fusarium susceptible trees visit:
<http://eskalenlab.ucr.edu/handouts/fieldidentificationguide.pdf>

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, 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.
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.
Brachychiton acerifolius/ Illwarra Flame Tree				
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.
Causarina cunninghamiana River She Oak	50-70'x30'	E	M/L	Native to Australia. Performs well without summer watering.
Cinammomum camphora Camphor Tree	50-65'x50- 60'	E	M	Native to China and Japan. Excellent tree for lawn areas.
C. arizonica/ Arizona cypress	35-50' x 20-30'	E	L/VL	Requires little or no water after established. Slow grower in native

June 13, 2018

University of California, Irvine

				conditions but with water and good drainage can grow quickly.
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.
Handroanthos heptaphyllus Pink Trumpet Tree	35-40' x 35'	D	M	Native to South America. Showy flowers.
Hesperocyparis forebesii/Tecate cypress				
Hymnesporum flavum/ Sweetshade	20-35' x 20'	E	M	Native to Australia.
Jacaranda mimosifolia/ Jacaranda	25-40' x 25-35'	D, F	M	Do not use near walkways or parking lots.
Juniperus californica California Juniper	10-40' x 10-40'	E, N	M/L	Needs full sun, coarse well-drained soils.
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.
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' M. stypheloides Prickly Paperbark	 20-30' x 20-25' 20-40' x 10-20'	E, F E, F E, F	 M M	
Metrosideros excelsus/ New Zealand	15-30' x 15-30'	E, F	M/L	Full sun. Best suited for coastal climate.

June 13, 2018

University of California, Irvine

Christmas Tree				
Michelia doltosopa				
Pinus canariensis Canary Island Pine	50-80' x 20-35'	E	M/L	Resists root rot. Needs supplemental water. Use sparingly. Highest percentage of urban canopy.
P. couleteri 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, Krieger Hall; full sun and well drained soils; Drought tolerant.
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.
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.
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 engelmannii/ Englemann Oak				
Quercus suber/ Cork oak				
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.
Sapium sebiferum Chinese Tallow Tree				
Schinus molle				

Sophora japonica Japanese Pagoda Tree	50-70' x 50-70'	D, F	M	
Taxodium distichum/ Bald cypress				
Taxodium mucronatum/ Montezuma cypress	40-60'x 30-40'	E	M	Native to Mexico. Grows best with regular water.
Thuja plicata/ Western Red Cedar				
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				

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 heat. Resists root rot caused by water molds.

Callistemon sp. 'Slim' 'Little John'				
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	5-12' x 5-12'	E,F	L/VL	Slow to moderate growth.
C. minutiflorus/ S.D. Mountain Mahogany			L/VL	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 Cotoneaster dammeri 'Lowfast' Bearberry Cotoneaster	Varies dependi ng on cultivar 1' x 2'	E or D, F. E,F	M 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'	4' x 4-5'	E,F	M/L	Not drought tolerant.

'Noell' Grevillea				
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	3-4' x 4-6	E,F	M/L	
L. pinnatta (multifida) Fernleaf Lavender	1 ½' x 2-3'	E,F		
L. stoechas Spanish Lavender	2-3' x 2-3'	E	M/L	
Lavatera assurgentiflora Tree Mallow	12' x 12'	E,N,F	M/L	Best growth from seed. Needs annual pruning.
Leucophyllum species				Good foundation shrub. Drought tolerant.
Leucophyllum frutescens compacta 'Compact Texas Ranger'	7' x 7'	E,N,F	L/VL	
Leptospermum Tea Tree	Varies	E,F	M/L	
Ligustrum japonicum/ Waxleaf Privet				
Mahonia pinnata California Holly Grape	4-5' x 4-5'	E,N,F		
Mahonia repens Creeping Mahonia	1' x 3'	E,N,F		
Malosma laurina Laurel Sumac	12-20' x 12-20'	E,F	L/VL	Fire risk due to high oil and resin content of 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	3-15' x 8'	E,F	M/L	Native to southern California. Needs good drainage.

R. 'Mound San Bruno'				
Rhaphiolepis Hawthorne	Varies	E,F	M	Not drought tolerant. Good shrub for hedges.
Rhaphiolepis indica 'Ballerina'	2-3' x 2-3'	E,F		Low growing cultivar.
'Clara'	3-5' x 4-6'	E,F		
R. integrifolia/ Lemonade berry	3-10' x 3-10'	E,N,F	L/VL	California native.
Ribes sanguineum Pink Winter Currant	5-12' x 5-12'	SE,N,F	H/M	Good in shade.
R. speciosum Fuchsia Flowering Gooseberry	4-8' x 6-10'	E,N,F	M/L	
R. viburnifolium Evergreen Currant	3-6' x 12'	E,N,F	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 Banks Rose	10-20' x 20-25'	E,F	M	Almost disease proof. Aphid resistant
Rosa californica	10-20' x 20-25'	E,N,F	M/L	Native to southern California. Highly adaptable.
Rosmarinus officinalis 'prostratus' Prostrate Rosemary	2' x 4-8'	E,F	M/L	
Ruellia species R. brittoniana/ Kate Pink Dwarf Ruellia R. californica/ California Petunia	2-4' x 2-4'	E,F	M/L	Drought tolerant.
Salvia species:	3-5' x 3-5'	E,F		Salvia species can be short-lived.
S. apiana White Sage	1-4' x 1-4'	E,F	L/VL	Goes dormant in fall.
S. greggii		E,N,F	L/VL	

Autumn Sage S. 'Winifred Gilman'	3-5' x 3-5'			
Sphaeralcea ambigua Desert Mallow				
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)	CHARACTER ISTICS	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.
Dianella sp.				
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.
Lomandra 'Breeze'/ Dwarf Mat Rush	2'x3'	Ornamental	L	Australian native. Does well with Eucalyptus species.
Muhlenbergia species M. lindheimeri M. rigens/ Deer Grass	4' x 4'	Perennial, N	M/L	Plant plugs 1-2' apart for best results.

M. 'Regal Mist'				
Pennisetum spathiolatum Silver Sveldt Grass	2'		M	

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	
Bulbine frutescens				
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 too close to walkways. Not drought tolerant.
Ceratostigma plumbaginoides Dwarf Plumbago	6-12" x 2'	Perennial F	M	
Corethogyne leucophylla/ Carmes 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 http://www.landscapegardeningplants.com/ landscapenews/plantprofile_littlebecca.html
Drosanthemum floribundum Rosea Ice Plant	6" x ind.	Perennial F	L/VL	Fire retardant.
Fragaria californica/				

California strawberry				
Galvesia speciosa Island Bush Snapdragon	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 calycinum Creeping St. Johnswort	1' x indefinite	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/ Pacific Coast Iris	12-18" x 1'	E,N,F	H/M	
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	
Lessingia filaginifolia 'Silver Carpet'/ California Aster	6"H x 2'W		L	Plant at 18" O.C.
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/	5" x 4'	Perennial, F	M/L	

June 13, 2018

University of California, Irvine

Saltito Evening Primrose				
Plecostachys serpyllifolia/ Asteraceae	1 ½' 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.
Senecio Manaraliscae /Kleinia	1.5'x3'			Plant 3' OC.
Sisyrinchim 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 do 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 habitat. 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.