

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Abelia x grandiflora</i> 'Edward Goucher'	glossy abelia	Moderate	Moderate	Shrub	-
<i>Acacia baileyana</i>	Bailey acacia	Moderate	Low	Tree	-
<i>Acacia dealbata</i>	silver wattle	High	Very Low	Shrub	Invasive
<i>Acacia farnesiana</i>	sweet acacia	Moderate	Very Low	Tree	-
<i>Acacia longifolia</i>	Sydney golden wattle	Moderate	Low	Tree	-
<i>Acacia melanoxylon</i>	blackwood acacia	Moderate	Very Low	Tree	Invasive
<i>Acacia pendula</i>	weeping acacia	High	Low	Tree	-
<i>Acacia redolens</i>	prostrate acacia	High	Very Low	Groundcover	-
<i>Acacia saligna</i>	golden wreath wattle	High	Low	Tree	-
<i>Acacia stenohylla</i>	shoestring acacia	High	Very Low	Tree	-
<i>Acanthus mollis</i>	bear's breech	Low	Moderate	Shrub	-
<i>Acer buergerianum</i>	trident maple	Moderate	Moderate	Tree	-
<i>Acer campestre</i>	hedge maple	Moderate	Moderate	Tree	-
<i>Acer macrophyllum</i>	bigleaf maple	Low	Moderate	Tree	Native
<i>Acer palmatum</i>	japanese maple	Low	Moderate	Tree	-
<i>Acer platanoides</i>	Norway maple	Low	Moderate	Tree	-
<i>Acer pseudoplatanus</i>	sycamore maple	Moderate	Moderate	Tree	-
<i>Acer rubrum</i>	red maple	Low	Moderate	Tree	-
<i>Acer saccharinum</i>	silver maple	Low	Moderate	Tree	-
<i>Achillea millefolium</i>	yarrow	High	Low	Perennial	Native
<i>Acorus gramineus</i> 'Ogon'	variegated sweet flag	Low	High	Grass	-
<i>Aeonium</i> spp. cvs.	aeonium	High	Low	Succulent	-
<i>Aesculus californica</i>	California buckeye	Low	Very Low	Tree	Native
<i>Aesculus x carnea</i>	red horsechestnut	Low	Moderate	Tree	-
<i>Afrocarpus gracilior</i>	African fern pine	Low	Moderate	Tree	-
<i>Agapanthus africanus</i>	lily-of-the-Nile	Low	Moderate	Perennial	-
<i>Agastache cana</i>	Texas hummingbird mint	Moderate	Low	Perennial	-
<i>Agave attenuata</i>	thin-leaved agave	Moderate	Low	Succulent	-
<i>Agonis flexuosa</i>	peppermint tree	Moderate	Low	Tree	-
<i>Agrostis stolonifera</i>	creeping bentgrass	Moderate	High	Grass	Invasive
<i>Albizia julibrissin</i>	silk tree	Low	Low	Tree	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Allocasuarina verticillata</i>	drooping sheoak	High	Low	Tree	-
<i>Alnus coradata</i>	Italian alder	Moderate	Moderate	Tree	-
<i>Alnus rhombifolia</i>	white alder	Low	High	Tree	Native
<i>Aloe spp.</i>	aloe	High	Low	Succulent	Some spp. native
<i>Araucaria heterophylla</i>	Norfolk Island pine	High	Moderate	Tree	-
<i>Arbutus unedo</i>	strawberry tree	High	Low	Tree	-
<i>Arbutus</i> x 'Marina'	Marina madrone	Moderate	Low	Tree	-
<i>Archontophoenix cunninghamiana</i>	king palm	Low	Moderate	Palm	-
<i>Arctostaphylos spp.</i>	manzanita	High	Low	Shrub	Native
<i>Arctotheca calendula</i>	cape weed	High	Moderate	Groundcover	Invasive
<i>Armeria maritima</i>	common thrift	High	Moderate	Perennial	Native
<i>Armeria pseudoarmeria</i>	sea pink	High	Moderate	Perennial	-
<i>Artemisia californica</i> 'Montara'	artemesia	High	Very Low	Shrub	Native
<i>Artemisia pycnocephala</i>	sandhill sage	High	Low	Perennial	-
<i>Artemisia</i> x 'Powis Castle'	artemesia	High	Low	Shrub	-
<i>Asclepias curassavica</i>	blood weed	Moderate	Moderate	Perennial	-
<i>Asclepias tuberosa</i>	butterfly weed	Moderate	Moderate	Perennial	-
<i>Asparagus aethiopicus</i>	asparagus fern	High	Moderate	Perennial	-
<i>Asparagus aethiopicus</i> 'Sprengeri'	Sprenger asparagus	High	Moderate	Perennial	-
<i>Asparagus densiflorus</i>	see <i>Asparagus aethiopicus</i>				-
<i>Aspidistra elatior</i>	cast-iron plant	Moderate	Low	Perennial	-
<i>Atriplex lentiformis</i> subspp. <i>Breweri</i>	quail bush	High	Very Low	Shrub	Native
<i>Baccharis pilularis</i>	dwarf coyote brush	High	Low	Groundcover	Native
<i>Baccharis salicifolia</i>	mule fat	High	Low	Shrub	Native
<i>Baccharis sarothroides</i> cvs.	desert broom	High	Very Low	Shrub	Native
<i>Banksia integrifolia</i>	coast banksia	High	Low	Shrub	-
<i>Bauhinia purpurea</i>	orchid tree	Moderate	Moderate	Tree	-
<i>Berberis aquifolium</i>	oregon grape	Low	Moderate	Shrub	-
<i>Berberis nevinii</i>	Nevin mahonia	High	Low	Shrub	-
<i>Berberis thunbergii</i>	Japanese barberry	Low	Moderate	Shrub	-
<i>Betula nigra</i>	river birch	Moderate	High	Tree	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Betula pendula</i>	European white birch	Low	High	Tree	-
<i>Bougainvillea spectabilis</i> cvs.	bougainvillea	High	Low	Vine	-
<i>Bouteloua gracilis</i>	blue grama	Moderate	Low	Grass	Native
<i>Brachychiton populneus</i>	bottle tree	High	Low	Tree	-
<i>Brahea armata</i>	blue hesper palm	High	Low	Palm	-
<i>Brahea edulis</i>	guadalupe palm	Moderate	Low	Palm	-
<i>Brunfelsia calycina</i>	see <i>Brunfelsia pauciflora</i>				
<i>Brunfelsia pauciflora</i>	yesterday, today and tomorrow	Moderate	Moderate	Shrub	-
<i>Buchole dactyloides</i>	buffalo grass	Low	Low	Grass	-
<i>Buddleja davidii</i>	butterfly bush	Low	Low	Shrub	-
<i>Bulbine frutescens</i>	bulbine	High	Low	Perennial	-
<i>Butia capitata</i>	Pindo palm	High	Low	Palm	-
<i>Buxus microphylla japonica</i>	Japanese boxwood	Moderate	Moderate	Shrub	-
<i>Buxus sempervirens</i>	English boxwood	High	Moderate	Shrub	-
<i>Caesalpinia pulcherrima</i>	Barbados flower-fence	Moderate	Low	Shrub	-
<i>Calamagrostis foliosa</i>	Mendocino reed grass	High	Moderate	Grass	Native
<i>Calamagrostis x acutiflora</i> 'Karl Foerster'	feather reed grass	High	Moderate	Grass	-
<i>Callistemon citrinus</i>	Lemon bottlebrush	High	Low	Tree	-
<i>Callistemon rigidus</i>	stiff bottlebrush	High	Low	Tree	-
<i>Callistemon viminalis</i>	weeping bottlebrush	High	Low	Tree	-
<i>Calluna vulgaris</i>	Scotch heather	Low	Moderate	Shrub	-
<i>Calocedrus decurrens</i>	incense cedar	Low	Moderate	Tree	Native
<i>Calocephalus brownii</i>	cushion bush	High	Low	Shrub	-
<i>Calodendrum capense</i>	Cape chestnut	Moderate	Low	Tree	-
<i>Camellia japonica</i> cvs.	camellia	Moderate	Moderate	Shrub	-
<i>Camellia sasanqua</i>	Sasanqua camellia	Moderate	Moderate	Shrub	-
<i>Campsis radicans</i>	common trumpet creeper	Moderate	Low	Vine	-
<i>Canna</i> spp.	canna	Low	Moderate	Perennial	-
<i>Carex divulsa</i>	Berkeley sedge	Moderate	Low	Grass-like	-
<i>Carissa macrocarpa</i>	Natal plum	High	Low	Shrub	-
<i>Carpenteria californica</i>	bush anemone	Moderate	Low	Shrub	Native

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Carpinus caroliniana</i>	hornbeam	Low	Unknown	Tree	-
<i>Carpobrotus edulis</i>	hottentot fig	High	Low	Succulent	Invasive
<i>Caryopteris x clandonensis</i>	blue mist	High	Moderate	Shrub	-
<i>Casaurina stricta</i>	see <i>Allocasuarina verticillata</i>				
<i>Cassia artemisioides</i>	see <i>Senna artemisioides</i>				
<i>Casuarina cunninghamiana</i>	horsetail tree	High	Low	Tree	-
<i>Ceanothus</i> spp.	wild lilac	High	Low	Shrub	Native
<i>Cedrus atlantica</i>	Atlas cedar	Moderate	Moderate	Tree	-
<i>Cedrus deodora</i>	Deodar cedar	High	Low	Tree	-
<i>Celtis australis</i>	European hackberry	Low	Low	Tree	-
<i>Celtis occidentalis</i>	common hackberry	Low	Low	Tree	-
<i>Celtis sinensis</i>	Chinese hackberry	Low	Low	Tree	-
<i>Ceratonia siliqua</i>	carob	Moderate	Low	Tree	-
<i>Ceratostigma plumbaginoides</i>	leadwort	High	Low	Groundcover	-
<i>Cercidiphyllum japonicum</i>	Katsura tree	Moderate	Moderate	Tree	-
<i>Cercis canadensis</i>	eastern redbud	Low	Moderate	Tree	-
<i>Cercis occidentalis</i>	western redbud	Moderate	Very Low	Tree	Native
<i>Cercocarpus betuloides</i>	hardtack	High	Very Low	Shrub	Native
<i>Chaenomeles speciosa</i>	flowering quince	Low	Low	Shrub	-
<i>Chamaerops humilis</i>	Mediterranean fan palm	High	Low	Palm	-
<i>Chilopsis linearis</i>	desert willow	Moderate	Very Low	Tree	Native
<i>Chionanthus retusus</i>	fringe tree	High	Moderate	Tree	-
x <i>Chitalpa tashkentensis</i> 'Pink Dawn'	chitalpa	Moderate	Low	Tree	-
<i>Chondropetalum elephantinum</i>	Cape rush	High	Low	Perennial	-
<i>Cinnamomum camphora</i>	camphor	Moderate	Moderate	Tree	-
<i>Cistus salviifolius</i>	sageleaf cistus	High	Low	Shrub	-
<i>Cistus x purpureus</i>	orchid rockrose	High	Low	Shrub	-
<i>Cistus x skanbergii</i>	pink rockrose	High	Low	Shrub	-
<i>Citrus</i> spp.	lemon, lime, orange	Low	Moderate	Tree	-
<i>Clematis armandii</i>	evergreen clematis	Low	Moderate	Vine	-
<i>Clivia miniata</i>	Kaffir lily	Low	Moderate	Perennial	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Clytostoma callistegioides</i>	violet trumpet vine	Low	Moderate	Vine	-
<i>Coleonema album</i>	white breath of heaven	High	Moderate	Shrub	-
<i>Coleonema pulchrum</i>	pink breath of heaven	High	Moderate	Shrub	-
<i>Coprosma petriei</i> 'Verde Vista'	coprosma	High	Low	Shrub	-
<i>Coprosma repens</i>	shiny coprosma	High	Moderate	Shrub	-
<i>Coprosma</i> x <i>kirkii</i>	coprosma	High	Low	Groundcover	-
<i>Cordyline australis</i>	cordyline	Moderate	Low	Perennial	-
<i>Cordyline indivisa</i>	blue dracanena	High	Low	Shrub	-
<i>Coreopsis grandiflora</i>	coreopsis	Moderate	Low	Perennial	-
<i>Correa pulchella</i>	Australian fuchsia	Moderate	Low	Shrub	-
<i>Corymbia citriodora</i>	lemonscented gum	Moderate	Low	Tree	-
<i>Corymbia ficifolia</i>	red-flowering gum	Moderate	Low	Tree	-
<i>Corymbia maculata</i>	spotted gum	Moderate	Low	Tree	-
<i>Cotinus coggygria</i>	smokebush	Moderate	Low	Shrub	-
<i>Cotoneaster coriaceus</i>	parney cotoneaster	High	Low	Shrub	Invasive
<i>Cotoneaster dammeri</i>	bearberry cotoneaster	Moderate	Low	Shrub	-
<i>Cotoneaster horizontalis</i>	rock cotoneaster	Moderate	Moderate	Groundcover	-
<i>Cotoneaster lacteus</i>	see <i>Cotoneaster coriaceus</i>				
<i>Cotoneaster parneyi</i>	see <i>Cotoneaster coriaceus</i>				
<i>Crassula ovata</i>	jade plant	Moderate	Low	Succulent	-
<i>Crataegus crus-galli</i> var. <i>inermis</i>	thornless cockspur hawthorn	Moderate	Moderate	Tree	-
<i>Crataegus laevigata</i>	English hawthorn	Moderate	Moderate	Tree	Invasive
<i>Crataegus phaenopyrum</i>	Washington hawthorn	Moderate	Moderate	Tree	-
<i>Cupaniopsis anacardioides</i>	carrotwood	High	Moderate	Tree	-
<i>Cuphea hyssopifolia</i>	Mexican false healther	Low	Moderate	Shrub	-
<i>Cuphea ignea</i> 'David Verity'	david verity cigar plant	Moderate	High	Perennial	-
<i>Cupressocyparis</i> x <i>leylandii</i>	Leyland cypress	Moderate	Moderate	Tree	-
<i>Cupressus sempervirens</i> 'Stricta'	Italian cypress	High	Low	Tree	-
<i>Cynodon dactylon</i>	Bermuda grass	High	Low	Grass	Invasive
<i>Dasyllirion wheeleri</i>	desert spoon	Moderate	Very Low	Succulent	-
<i>Delosperma alba</i>	white iceplant	High	Low	Succulent	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Dianella caerulea</i>	blue flax lily	High	Moderate	Perennial	-
<i>Dianella tasmanica</i>	Tasmanian flax lily	High	Moderate	Perennial	-
<i>Dietes bicolor</i>	African iris	Moderate	Low	Perennial	-
<i>Dietes iridioides</i>	fortnight lily	High	Low	Perennial	-
<i>Distictus buccinatoria</i>	blood-red trumpet vine	Low	Moderate	Vine	-
<i>Dodonaea viscosa</i> 'Purpurea'	purple hopseed bush	Moderate	Low	Shrub	-
<i>Dracaena</i> spp.	cordyline	Moderate	Low	Tree	-
<i>Drosanthemum floribundum</i>	rosea ice plant	High	Low	Succulent	-
<i>Drosanthemum hispidum</i>	ice plant	High	Low	Succulent	-
<i>Dymondia margaretae</i>	silver carpet	High	Low	Groundcover	-
<i>Echinacea purpurea</i>	purple coneflower	High	Moderate	Perennial	-
<i>Elaeagnus pungens</i>	silverberry	Moderate	Low	Shrub	-
<i>Epilobium canum</i>	California fuchsia	High	Low	Perennial	Native
<i>Equisetum hyemale</i>	horsetail	High	High	Perennial	-
<i>Erigeron karvinskianus</i>	Santa Barbara daisy	High	Low	Perennial	-
<i>Eriobotrya deflexa</i>	bronze loquat	Low	Moderate	Tree	-
<i>Eriobotrya japonica</i>	loquat	Moderate	Low	Tree	-
<i>Eriogonum arborescens</i>	Santa Cruz Island buckwheat	High	Low	Perennial	Native
<i>Eriogonum fasciculatum</i>	California buckwheat	High	Low	Perennial	Native
<i>Escallonia rubra</i>	escallonia	Moderate	Moderate	Shrub	-
<i>Eucalyptus camaldulensis</i>	red river gum	High	Low	Tree	Invasive
<i>Eucalyptus cinerea</i>	argyle apple	Moderate	Very Low	Tree	-
<i>Eucalyptus citriodora</i>	see <i>Corymbia citriodora</i>				
<i>Eucalyptus cladocalyx</i>	sugar gum	Moderate	Low	Tree	-
<i>Eucalyptus conferruminata</i>	bushy yate	Moderate	Low	Tree	-
<i>Eucalyptus ficifolia</i>	see <i>Corymbia ficifolia</i>				
<i>Eucalyptus globulus</i>	blue gum	Moderate	Low	Tree	Invasive
<i>Eucalyptus gunnii</i>	cider gum	High	Low	Tree	-
<i>Eucalyptus lehmannii</i>	bushy yate	High	Low	Tree	-
<i>Eucalyptus leucoxylon</i> 'Rosea'	white ironbark	High	Low	Tree	-
<i>Eucalyptus microtheca</i>	flooded box	High	Low	Tree	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Eucalyptus nicholii</i>	Nichol's willow-leafed peppermint	High	Low	Tree	-
<i>Eucalyptus polyanthemos</i>	silver dollar gum	Moderate	Low	Tree	-
<i>Eucalyptus pulverulenta</i>	silver mountain gum	Moderate	Low	Tree	-
<i>Eucalyptus robusta</i>	swamp mahogany	High	Low	Tree	-
<i>Eucalyptus rudis</i>	swamp gum	High	Low	Tree	-
<i>Eucalyptus saligna</i>	Sydney blue gum	Moderate	Low	Tree	-
<i>Eucalyptus sargentii</i>	salt river mallet	High	Low	Tree	-
<i>Eucalyptus sideroxylon</i> var. <i>rosea</i>	pink ironbark	Moderate	Low	Tree	-
<i>Eucalyptus spathulata</i>	swamp mallee	High	Low	Tree	-
<i>Eucalyptus torquata</i>	coral gum	Moderate	Low	Tree	-
<i>Eucalyptus viminalis</i>	mann gum	Moderate	Low	Tree	-
<i>Euonymus fortunei</i>	winter creeper	High	Moderate	Groundcover	-
<i>Euonymus japonicus</i>	evergreen euonymus	High	Low	Shrub	-
<i>Euphorbia characias</i>	mediterranean spurge	High	Low	Perennial	-
<i>Euphorbia</i> x <i>martinii</i>	euphorbia	High	Low	Perennial	-
<i>Euryops pectinatus</i>	euryops	Low	Low	Perennial	-
<i>Fagus sylvatica</i> 'Atropunicea'	copper beech	Low	Moderate	Tree	-
<i>Fatsia japonica</i>	Japanese aralia	Moderate	Moderate	Shrub	-
<i>Feijoa sellowiana</i>	pineapple guava	Low	Low	Tree	-
<i>Festuca arundinacea</i>	tall fescue	High	Moderate	Grass	Invasive
<i>Festuca californica</i>	California fescue	High	Low	Grass	Native
<i>Festuca glauca</i>	common blue fescue	Moderate	Low	Grass	-
<i>Festuca idahoensis</i>	Idaho fescue	Low	Very Low	Grass	Native
<i>Festuca mairei</i>	Atlas grass	High	Low	Grass	-
<i>Festuca rubra</i>	red fescue	Moderate	Low	Grass	Native
<i>Ficus benjamina</i>	weeping fig	Moderate	Inappropriate	Tree	-
<i>Ficus carica</i>	fig	Moderate	Moderate	Tree	Invasive
<i>Ficus microcarpa</i>	indian laurel fig	High	Moderate	Tree	-
<i>Ficus pumila</i>	creeping fig	High	Moderate	Vine	-
<i>Forsythia</i> x <i>intermedia</i>	forsythia	Moderate	Low	Shrub	-
<i>Fragaria chiloensis</i>	beach strawberry	Low	Moderate	Groundcover	Native

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Fraxinus americana</i> 'Autumn Purple'	white ash	Moderate	Moderate	Tree	-
<i>Fraxinus angustifolia</i> 'Raywood'	Raywood ash	Moderate	Moderate	Tree	-
<i>Fraxinus excelsior</i>	European ash	Moderate	Moderate	Tree	-
<i>Fraxinus pennsylvanica</i>	green ash	Moderate	Moderate	Tree	-
<i>Fraxinus uhdei</i>	evergreen ash	Moderate	Moderate	Tree	-
<i>Fraxinus velutina</i> 'Modesto'	Modesto ash	Moderate	Moderate	Tree	Native
<i>Fremontodendron californicum</i>	flannel bush	High	Very Low	Shrub	Native
<i>Fremontodendron mexicanum</i>	southern flannel bush	High	Very Low	Shrub	-
<i>Gaillardia aristata</i>	blanket flower	High	Low	Perennial	-
<i>Gaillardia x grandiflora</i>	blanket flower	High	Low	Perennial	-
<i>Galvezia speciosa</i>	island bush snapdragon	High	Low	Shrub	Native
<i>Gardenia augusta</i>	gardenia	Low	Moderate	Shrub	-
<i>Gaura lindheimeri</i>	gaura	Moderate	Moderate	Perennial	-
<i>Gazania hybrids</i>	clumping gazania	High	Moderate	Groundcover	-
<i>Gazania rigidens leucolaena</i>	trailing gazania	High	Moderate	Groundcover	-
<i>Geijera parviflora</i>	Australian willow	High	Moderate	Tree	-
<i>Gelsemium sempervirens</i>	Carolina jessamine	Low	Low	Vine	-
<i>Geranium pratense</i>	meadow cranesbill	High	Moderate	Perennial	-
<i>Ginkgo biloba</i>	maidenhair tree	Moderate	Moderate	Tree	-
<i>Gleditsia triacanthos</i> f. <i>inermis</i> , 'Shadem	thornless honey locust	High	Low	Tree	-
<i>Grevillea banksii</i>	bank's grevillea	High	Low	Tree	-
<i>Grevillea</i> 'Canberra Gem'	grevillea	High	Low	Shrub	-
<i>Grevillea</i> 'Noellii'	grevillea	Moderate	Low	Shrub	-
<i>Grevillea robusta</i>	silk oak	High	Low	Tree	-
<i>Grewia occidentalis</i>	lavender starflower	Moderate	Moderate	Shrub	-
<i>Griselinia littoralis</i>	griselinia	High	Moderate	Shrub	-
<i>Hakea laurina</i>	pincushion hakea	High	Low	Shrub	-
<i>Hakea suaveolens</i>	sweet hakea	Moderate	Low	Shrub	-
<i>Hardenbergia violacea</i>	lilac vine	Moderate	Moderate	Vine	-
<i>Hebe buxifolia</i>	hebe	High	Moderate	Shrub	-
<i>Hebe</i> 'Coed'	hebe	High	Moderate	Shrub	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Hedera canariensis</i>	Algerian ivy	High	Moderate	Vine	Invasive
<i>Hedera helix</i>	English ivy	Moderate	Moderate	Vine	Invasive
<i>Helictotrichon sempervirens</i>	blue oat grass	High	Low	Grass	-
<i>Helleborus argutifolius</i>	Corsican hellebore	Moderate	Moderate	Perennial	-
<i>Helleborus orientalis</i>	Lenten rose	Moderate	Moderate	Perennial	-
<i>Heemerocallis hybrids</i>	daylily	High	Moderate	Perennial	-
<i>Hesperaloe parviflora</i>	red yucca	High	Low	Shrub	-
<i>Hesperocyparis arizonica</i>	Arizona cypress	High	Very Low	Tree	Native
<i>Hesperocyparis macrocarpa</i>	Monterey cypress	High	Moderate	Tree	Native
<i>Heteromeles arbutifolia</i>	toyon	High	Very Low	Shrub	Native
<i>Heuchera maxima</i>	island alum root	Moderate	Moderate	Perennial	Native
<i>Heuchera sanguinea</i>	coral bells	Moderate	Moderate	Perennial	-
<i>Hibiscus rosa-sinensis</i>	Chinese hibiscus	High	Moderate	Shrub	-
<i>Hydrangea macrophylla</i>	hydrangea	Moderate	Moderate	Shrub	-
<i>Hymenosporum flavum</i>	sweetshade	Moderate	Moderate	Tree	-
<i>Hypericum calycinum</i>	creeping St. Johnswort	Moderate	Moderate	Groundcover	-
<i>Ilex aquifolium</i>	English holly	Moderate	Low	Shrub	Invasive
<i>Ilex cornuta</i>	Chinese holly	Moderate	Low	Shrub	-
<i>Ilex vomitoria</i>	yaupon	High	Low	Shrub	-
<i>Ilex x altaclarensis</i> 'Wilsonii'	Wilson holly	Low	Moderate	Shrub	-
<i>Iris douglasiana</i>	iris	Moderate	Low	Perennial	Native
<i>Isomeris arborea</i>	see <i>Peritoma arborea</i>				
<i>Jacaranda mimosifolia</i>	jacaranda	High	Moderate	Tree	-
<i>Jasminum mesnyi</i>	primrose jasmine	Low	Low	Shrub	-
<i>Jasminum nitidum</i>	angelwing jasmine	Low	Low	Vine	-
<i>Jasminum polyanthum</i>	jasmine	Low	Moderate	Vine	-
<i>Juncus patens</i>	California grey rush	High	High	Grass-like	Native
<i>Juniperus californica</i>	California juniper	High	Low	Tree	Native
<i>Juniperus chinensis</i> cvs.	Chinese juniper	High	Low	Shrub	-
<i>Juniperus horizontalis</i> cvs.	creeping juniper	High	Low	Groundcover	-
<i>Juniperus procumbens</i>	Japanese garden juniper	High	Low	Groundcover	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Juniperus rigida conferta</i>	shore juniper	High	Low	Groundcover	-
<i>Juniperus sabina</i> 'Tamariscifolia'	Tam juniper	High	Low	Shrub	-
<i>Juniperus x pfitzeriana</i> cvs.	Pfitzer juniper	High	Low	Shrub	-
<i>Kalanchoe</i> spp.	crassulaceae	Moderate	Low	Succulent	-
<i>Kniphofia</i> spp. cvs.	red-hot poker	Moderate	Moderate	Succulent	-
<i>Koeleria macrantha</i>	junegrass	Low	Low	Grass	Native
<i>Koelreutaria paniculata</i>	goldenrain tree	High	Moderate	Tree	-
<i>Lagerstroemia fauriei</i> x <i>indica</i> e.g. 'Acon'	crape myrtle hybrids	Moderate	Low	Tree	-
<i>Lagerstroemia indica</i>	crape myrtle	Low	Low	Tree	-
<i>Lagunaria patersonii</i>	orchid tree	High	Low	Tree	-
<i>Lampranthus productus</i>	purple iceplant	High	Low	Succulent	-
<i>Lampranthus spectabilis</i>	trailing iceplant	High	Low	Succulent	-
<i>Lantana camara</i>	yellow lantana	High	Low	Shrub	-
<i>Lantana</i> hybrids	lantana	High	Low	Shrub	-
<i>Lantana montevidensis</i>	lantana	High	Low	Groundcover	-
<i>Laurus nobilis</i>	Grecian laurel	High	Low	Tree	-
<i>Lavandula angustifolia</i>	English lavender	High	Low	Shrub	-
<i>Lavandula stoechas</i>	Spanish lavender	Moderate	Low	Shrub	-
<i>Lavandula x intermedia</i> 'Provence'	Provence lavender	Moderate	Low	Shrub	-
<i>Lavatera assurgentiflora</i>	tree mallow	High	Low	Shrub	Native
<i>Lavatera maritima</i>	sea mallow	High	Low	Shrub	-
<i>Leonotis leonurus</i>	lion's tail	Moderate	Low	Shrub	-
<i>Leptospermum laevigatum</i>	Australian tea tree	High	Low	Tree	-
<i>Leptospermum scoparium</i>	New Zealand tea tree	High	Moderate	Tree	-
<i>Leucadendron</i> spp. and cvs.	cone bush	Low	Low	Shrub	-
<i>Leucanthemum x superbum</i> 'Alaska'	Shasta daisy	High	Moderate	Perennial	-
<i>Leucophyllum frutescens</i>	Texas sage	High	Low	Shrub	-
<i>Ligustrum japonicum</i>	Japanese privet	Moderate	Moderate	Shrub	-
<i>Ligustrum lucidum</i>	glossy privet	High	Low	Tree	Invasive
<i>Limonium perezii</i>	sea lavender	High	Low	Perennial	Invasive
<i>Liquidambar styraciflua</i>	sweet gum	Low	Moderate	Tree	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Liriodendron tulipifera</i>	tulip tree	Low	Moderate	Tree	-
<i>Liriope gigantea</i>	see <i>Ophiopogon jaburan</i>				
<i>Liriope muscari</i> cvs.	big blue lily turf	Moderate	Moderate	Perennial	-
<i>Liriope spicata</i>	creeping lily turf	Moderate	Moderate	Perennial	-
<i>Livistonia australis</i>	cabbage-tree palm	High	Moderate	Palm	-
<i>Livistonia chinensis</i>	Chinese fan palm	Moderate	Moderate	Palm	-
<i>Lolium perenne</i>	perennial ryegrass	Moderate	High	Grass	-
<i>Lomandra hystrix</i> 'Tropicbelle'	tropic belle mat rush	High	Low	Perennial	-
<i>Lomandra longifolia</i>	mat rush	High	Low	Perennial	-
<i>Lonicera japonica</i>	Japanese honeysuckle	Moderate	Moderate	Vine	-
<i>Lophostemon confertus</i>	Brisbane box	Moderate	Moderate	Tree	-
<i>Loropetalum chinese</i> cvs.	loropetalum	Moderate	Low	Shrub	-
<i>Magnolia grandiflora</i>	southern magnolia	Low	Moderate	Tree	-
<i>Mahonia aquifolium</i>	see <i>Berberis aquifolium</i>				
<i>Mahonia nevinii</i>	see <i>Berberis nevinii</i>				
<i>Mahonia repens</i>	creeping mahonia	Low	Low	Groundcover	-
<i>Malus floribunda</i>	flowering crabapple	Low	Moderate	Tree	-
<i>Mandevilla splendens</i>	pink allamanda	Moderate	Moderate	Shrub	-
<i>Maytenus boaria</i>	mayten	High	Moderate	Tree	-
<i>Melaleuca armillaris</i>	drooping melaleuca	High	Very Low	Tree	-
<i>Melaleuca linarifolia</i>	flaxleaf paperbark	High	Low	Tree	-
<i>Melaleuca nesophila</i>	pink melaleuca	Moderate	Low	Tree	-
<i>Melaleuca quinquenervia</i>	cajeput tree	High	Low	Tree	-
<i>Melaleuca styphelioides</i>	prickly-leaf paperbark	High	Low	Tree	-
<i>Metrosideros excelsa</i>	New Zealand Christmas tree	High	Low	Tree	-
<i>Michelia doltsopa</i>	michelia	Low	Moderate	Tree	-
<i>Mimulus aurantiacus</i>	sticky monkey flower	Moderate	Low	Shrub	-
<i>Miscanthus sinensis</i> 'Gracillimus', 'Varieg	maiden grass	High	Moderate	Grass	-
<i>Morella californica</i>	pacific wax myrtle	High	Low	Shrub	Native
<i>Morus alba</i>	mulberry	Moderate	Moderate	Tree	-
<i>Muhlenbergia capillaris</i>	pink muhly	High	Low	Grass	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Muhlenbergia lindheimeri</i>	big muhly	High	Low	Grass	-
<i>Muhlenbergia rigens</i>	deer grass	High	Low	Grass	Native
<i>Myoporum laetum</i>	myoporum	High	Low	Tree	Invasive
<i>Myoporum parvifolium</i>	myoporum	High	Low	Shrub	-
<i>Myrica californica</i>	see <i>Morella californica</i>				
<i>Myrtus communis</i>	myrtle	High	Low	Shrub	-
<i>Myrtus communis</i> 'Compacta'	compact myrtle	High	Low	Shrub	-
<i>Nandina domestica</i>	heavenly bamboo	Low	Low	Shrub	-
<i>Nasella pulchra</i>	purple needlegrass	High	Very Low	Grass	Native
<i>Nassella tenuissima</i>	Mexican feather grass	Moderate	Low	Grass	Invasive
<i>Nepeta racemosa</i> 'Walker's Low'	Persian catmint	High	Low	Perennial	-
<i>Nerium oleander</i>	oleander	High	Low	Shrub	-
<i>Nyssa sylvatica</i>	sour gum/tupelo	Moderate	Moderate	Tree	-
<i>Oenothera speciosa</i>	Mexican evening primrose	High	Low	Perennial	-
<i>Olea europaea</i>	olive	High	Very Low	Tree	Invasive
<i>Ophiopogon jaburan</i>	giant lily turf	Moderate	Moderate	Perennial	-
<i>Ophiopogon japonicus</i>	Mondo grass	High	Moderate	Perennial	-
<i>Opuntia</i> spp.	prickly pear	High	Very Low	Succulent	Some spp. native
<i>Osteospermum fruticosum</i>	trailing African daisy	Moderate	Low	Perennial	-
<i>Panicum virgatum</i>	switch grass	High	Moderate	Grass	-
<i>Parkinsonia aculeata</i>	palo verde	High	Very Low	Tree	-
<i>Parkinsonia floridum</i>	blue palo verde	High	Very Low	Tree	Native
<i>Parthenocissus quinquefolia</i>	Virginia creeper	Moderate	Moderate	Vine	-
<i>Parthenocissus tricuspidata</i>	Boston ivy	Low	Moderate	Vine	-
<i>Passiflora jamesonii</i>	passion flower	Low	Moderate	Vine	-
<i>Pelargonium peltatum</i>	ivy geranium	Moderate	Moderate	Perennial	-
<i>Pelargonium x hortorum</i>	common geranium	Low	Low	Perennial	-
<i>Pennisetum alopecuroides</i>	perennial fountain grass	High	Low	Grass	-
<i>Pennisetum orientale</i>	oriental fountain grass	High	Moderate	Grass	-
<i>Pennisetum setaceum</i> 'Rubrum'	red fountain grass	High	Moderate	Grass	-
<i>Penstemon palmeri</i>	scented penstemon	Moderate	Low	Perennial	Native

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Peritoma arborea</i>	bladderpod	High	VL	Shrub	Native
<i>Perovskia atriplicifolia</i>	Russian sage	High	Low	Shrub	-
<i>Philodendron selloum</i>	split-leaf philodendron	Moderate	Moderate	Shrub	-
<i>Phoenix canariensis</i>	Canary Island palm	High	Low	Palm	Invasive
<i>Phoenix dactylifera</i>	date palm	High	Low	Palm	-
<i>Phoenix reclinata</i>	Senegal date palm	High	Low	Palm	-
<i>Phoenix roebelenii</i>	pygmy date palm	Low	Low	Palm	-
<i>Phoenix rupicola</i>	cliff date palm	High	Low	Palm	-
<i>Phormium hybrid</i>	flax	High	Low	Perennial	-
<i>Phormium tenax</i>	New Zealand flax	High	Low	Perennial	-
<i>Photinia serratifolia</i>	Chinese photinia	Moderate	Moderate	Tree	-
<i>Photinia x fraseri</i>	photinia	Moderate	Moderate	Shrub	-
<i>Phyllostachys aurea</i>	golden bamboo	Low	Low	Grass	-
<i>Phyllostachys nigra</i>	black bamboo	Moderate	Low	Grass	-
<i>Picea pungens</i>	Colorado spruce	Moderate	Moderate	Tree	-
<i>Pinus brutia</i>	Calabrian pine	Moderate	Low	Tree	-
<i>Pinus canariensis</i>	Canary Island pine	High	Low	Tree	-
<i>Pinus eldarica</i>	Afghan pine	High	Low	Tree	-
<i>Pinus halepensis</i>	Aleppo pine	High	Low	Tree	-
<i>Pinus mugo</i>	Mugho pine	Moderate	Low	Shrub	-
<i>Pinus ponderosa</i>	ponderosa pine	Moderate	Very Low	Tree	Native
<i>Pinus radiata</i>	Monterey pine	High	Moderate	Tree	Native
<i>Pinus thunbergii</i>	Japanese black pine	Moderate	Moderate	Tree	-
<i>Pistacia chinensis</i>	Chinese pistache	Moderate	Low	Tree	-
<i>Pittosporum crassifolium</i>	evergreen pittosporum	High	Moderate	Tree	-
<i>Pittosporum phillyraeoides</i>	desert willow	High	Moderate	Tree	-
<i>Pittosporum tenuifolium</i>	kohuhu	High	Moderate	Tree	-
<i>Pittosporum tobira</i>	mock orange	High	Low	Shrub	-
<i>Pittosporum undulatum</i>	victorian box	High	Moderate	Tree	-
<i>Platanus acerifolia</i>	see <i>Platanus x hispanica</i>				
<i>Platanus racemosa</i>	California sycamore	High	Moderate	Tree	Native

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Platanus x hispanica</i>	London plane	Moderate	Moderate	Tree	-
<i>Plumbago auriculata</i>	cape plumbago	High	Low	Shrub	-
<i>Podocarpus gracilior</i>	see <i>Afrocarpus gracilior</i>				
<i>Podocarpus macrophyllus</i>	yew pine	Moderate	Moderate	Tree	-
<i>Polystichum munitum</i>	western sword fern	Low	Moderate	Perennial	Native
<i>Populus fremontii</i>	Fremont cottonwood	Moderate	Moderate	Tree	Native
<i>Populus nigra</i> 'Italica'	Lombardy poplar	Moderate	Moderate	Tree	-
<i>Populus tremula</i> 'Erecta'	European poplar	Moderate	Moderate	Tree	-
<i>Prunus caroliniana</i>	Carolina laurel cherry	Moderate	Low	Tree	-
<i>Prunus cerasifera</i> 'Atropurpurea'	purple-leaf plum	Moderate	Low	Tree	Invasive
<i>Prunus cerasifera</i> 'Krauter Vesuvius'	Krauter Vesuvius purple-leaf plum	Moderate	Low	Tree	Invasive
<i>Prunus ilicifolia</i>	hollyleaf cherry	High	Low	Tree	Native
<i>Prunus ilicifolia</i> lyonii	Catalina cherry	Moderate	Low	Tree	Native
<i>Prunus laurocerasus</i>	english laurel	Moderate	Moderate	Tree	-
<i>Prunus serrulata</i>	flowering cherry	Low	Moderate	Tree	-
<i>Prunus x blireiana</i>	flowering plum	Moderate	Moderate	Tree	-
<i>Prunus x yedoensis</i> 'Akebono'	flowering cherry	Low	Moderate	Tree	-
<i>Psidium cattleianum</i>	strawberry guava	High	Moderate	Shrub	-
<i>Punica granatum</i>	pomegranate	Moderate	Low	Tree	-
<i>Pyracantha hybrids</i>	firethorn	Moderate	Low	Shrub	-
<i>Pyrus calleryana</i>	callery pear	High	Moderate	Tree	-
<i>Pyrus kawakamii</i>	evergreen pear	High	Moderate	Tree	-
<i>Quercus agrifolia</i>	coast life oak	High	Very Low	Tree	Native
<i>Quercus coccinea</i>	scarlet oak	Moderate	Moderate	Tree	-
<i>Quercus ilex</i>	holly oak	High	Low	Tree	-
<i>Quercus lobata</i>	valley oak	Moderate	Low	Tree	Native
<i>Quercus macrocarpa</i>	burr oak	High	Moderate	Tree	-
<i>Quercus palustris</i>	pin oak	Low	Moderate	Tree	-
<i>Quercus robur</i>	English oak	High	Moderate	Tree	-
<i>Quercus rubra</i>	northern red oak	High	Moderate	Tree	-
<i>Quercus suber</i>	cork oak	Moderate	Low	Tree	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Quercus virginiana</i>	southern live oak	High	Moderate	Tree	-
<i>Ratibida peduncularis</i>	Mexican hat	High	Moderate	Perennial	-
<i>Rhamnus alaternus</i> 'John Edwards'	Italian buckthorn	Low	Low	Shrub	-
<i>Rhamnus californica</i>	coffeeberry	High	Low	Shrub	Native
<i>Rhaphiolepis indica</i>	Indian hawthorn	High	Low	Shrub	-
<i>Rhaphiolepis umbellata</i>	Yeddo hawthorne	Moderate	Low	Shrub	-
<i>Rhaphiolepis</i> x 'Majestic Beauty'	majestic beauty hawthorn	High	Low	Tree	-
<i>Rhododendron</i> cvs.	rhododendron, azalea	Low	Moderate	Shrub	-
<i>Rhus integrifolia</i>	lemonade berry	High	Low	Shrub	Native
<i>Rhus lancea</i>	African sumac	High	Low	Tree	-
<i>Rhus ovata</i>	sugarbush	High	Low	Shrub	Native
<i>Ribes aureum</i>	golden currant	Moderate	Low	Shrub	Native
<i>Ribes viburnifolium</i>	evergreen currant	Low	Low	Shrub	Native
<i>Robinia pseudoacacia</i>	black locust	High	Low	Tree	Invasive
<i>Robinia</i> x <i>ambigua</i> 'Purple Robe'	locust	High	Low	Tree	-
<i>Rosa banksiae</i>	land bank's rose	Moderate	Low	Vine	-
<i>Rosa</i> hybrids cvs.	rose	Moderate	Moderate	Shrub	-
<i>Rosa rugosa</i>	rugosa rose	High	Low	Shrub	-
<i>Rosmarinus officinalis</i>	rosemary	High	Low	Shrub	-
<i>Rudbeckia hirta</i>	black-eyed susan	Moderate	Moderate	Perennial	-
<i>Rumohra adiantiformis</i>	leather fern	Moderate	Moderate	Fern	-
<i>Salix babylonica</i>	weeping willow	Moderate	High	Tree	-
<i>Salvia apiana</i>	white sage	Moderate	Very Low	Shrub	-
<i>Salvia chiapensis</i>	chiapas sage	Moderate	Moderate	Perennial	-
<i>Salvia clevelandii</i> x <i>leucophylla</i> 'Alan Ch	Cleveland/Alan Chickering sage	Moderate	Low	Shrub	Native
<i>Salvia greggii</i> 'Lipstick'	lipstick salvia	High	Low	Shrub	-
<i>Salvia leucantha</i>	Mexican bush sage	High	Low	Shrub	-
<i>Salvia verticillata</i> 'Purple Rain'	purple rain salvia	Moderate	Moderate	Perennial	-
<i>Santolina chamaecyparissus</i>	lavender cotton	High	Low	Perennial	-
<i>Sapium sebiferum</i>	Chinese tallow tree	High	Moderate	Tree	Invasive
<i>Sarcococca hookeriana humilis</i>	sweet box	Low	Low	Shrub	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Schefflera elagantissima</i>	thread leaf false aralia	Moderate	Moderate	Shrub	-
<i>Schinus molle</i>	California pepper	High	Very Low	Tree	Invasive
<i>Schinus terebinthifolius</i>	Brazilian pepper	High	Moderate	Tree	Invasive
<i>Sedum</i> spp.	sedum	Moderate	Low	Succulent	-
<i>Senecio cineraria</i>	dusty miller	High	Low	Perennial	-
<i>Senna artemisioides</i>	feathery cassia	High	Low	Shrub	-
<i>Sequoia sempervirens</i>	coast redwood	Low	High	Tree	Native
<i>Simmondsia chinensis</i>	jojoba	High	Very Low	Shrub	-
<i>Solanum jasminoides</i>	see <i>Solanum laxum</i>				
<i>Solanum laxum</i>	potato vine	Low	Moderate	Vine	-
<i>Sophora japonica</i>	see <i>Styphnolobium japonica</i>				
<i>Sophora secundiflora</i>	Texas mountain laurel	High	Low	Shrub	-
<i>Spiraea japonica</i> 'Gold flame', 'Bumalda'	gold flame spirea	Moderate	Moderate	Shrub	-
<i>Sporobolus airoides</i>	alkali sacaton	High	Low	Grass	Native
<i>Stachys byzantina</i>	lamb's ear	Moderate	Low	Perennial	-
<i>Stipa pulchra</i>	see <i>Nasella pulchra</i>				
<i>Stipa tenuissima</i>	see <i>Nasella tenuissima</i>				
<i>Strelitzia reginae</i>	bird of paradise	High	Moderate	Shrub	-
<i>Styphnolobium japonica</i>	Japanese pagoda tree	High	Low	Tree	-
<i>Syagrus romanzoffianum</i>	queen palm	Moderate	Low	Tree	-
<i>Symphoricarpos</i> spp.	snowberry	Moderate	Low	Shrub	Native
<i>Syringa reticulata</i>	Japanese tree lilac	Moderate	Moderate	Tree	-
<i>Syringa vulgaris</i>	common lilac	Moderate	Low	Shrub	-
<i>Syzygium paniculatum</i>	Australian brush cherry	High	Moderate	Shrub	-
<i>Tagetes lemmonii</i>	Copper Canyon daisy	High	Low	Perennial	-
<i>Taxodium distichum</i>	bald cypress	High	Moderate	Tree	-
<i>Taxus baccata</i>	English yew	Low	Moderate	Tree	-
<i>Tecoma capensis</i>	cape honeysuckle	High	Moderate	Vine	-
<i>Tecoma stans</i>	esperanza	High	Low	Shrub	-
<i>Teucrium chamaedrys</i>	see <i>Teucrium x lucidrys</i>				
<i>Teucrium fruticans</i>	bush germander	High	Low	Shrub	-

Matheny, Costello, Randisi and Gilpin

Irrigating San Francisco Bay Area Landscapes with Recycled Water

June 2021

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
<i>Teucrium x lucidrys</i>	germander	Moderate	Low	Perennial	-
<i>Tibouchina urvilleana</i>	princess flower	Low	Moderate	Shrub	-
<i>Tilia cordata</i>	linden	Low	Moderate	Tree	-
<i>Tilia tomentosa</i>	green mountain linden	Low	Moderate	Tree	-
<i>Tipuana tipu</i>	tipu tree	Moderate	Moderate	Tree	-
<i>Trachelospermum jasminoides</i>	star jasmine	Moderate	Moderate	Shrub	-
<i>Trachycarpus fortunei</i>	windmill palm	Moderate	Low	Palm	-
<i>Trichostema lanatum</i>	wooly blue curls	High	Very Low	Shrub	Native
<i>Tristaniaopsis laurina</i>	water gum	Moderate	Moderate	Tree	-
<i>Tulbaghia violacea</i>	society garlic	Moderate	Moderate	Perennial	-
<i>Ulmus 'Frontier'</i>	frontier elm	Moderate	Low	Tree	-
<i>Ulmus parvifolia</i>	Chinese evergreen elm	Moderate	Moderate	Tree	-
<i>Ulmus propinqua 'Emerald Sunshine'</i>	emerald sunshine elm	Moderate	Low	Tree	-
<i>Ulmus pumila</i>	Siberian elm	Moderate	Low	Tree	-
<i>Viburnum suspensum</i>	sandanqua viburnum	Low	Moderate	Shrub	-
<i>Viburnum tinus</i>	laurustinus	Low	Moderate	Shrub	-
<i>Vinca major</i>	periwinkle	High	Moderate	Groundcover	Invasive
<i>Vinca minor</i>	dwarf periwinkle	Moderate	Moderate	Groundcover	-
<i>Vitex agnus-castus</i>	chaste-tree	Moderate	Low	Tree	-
<i>Washingtonia filifera</i>	California fan palm	High	Low	Palm	Native
<i>Washingtonia robusta</i>	Mexican fan palm	High	Low	Palm	Invasive
<i>Westringia fruticosa</i>	coast rosemary	High	Low	Shrub	-
<i>Wisteria sinensis</i>	Chinese wisteria	Low	Moderate	Vine	-
<i>Woodwardia</i> spp.	chain fern	Moderate	High	Fern	-
<i>Xylosma congestum</i>	shiny xylosma	Moderate	Low	Shrub	-
<i>Yucca</i> spp.	yucca	High	Low	Succulent	-
<i>Zauschneria californica</i>	see <i>Epilobium canum</i>				
<i>Zelkova serrata</i>	sawleaf zelkova	Moderate	Moderate	Tree	-
<i>Zizyphus jujuba</i>	Chinese jujuba	High	Low	Tree	-

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
INSTRUCTIONS -- Plant Salt Tolerance List for the San Francisco Bay Area Landscapes					
<i>by Nelda Matheny, Larry Costello, Carol Randisi and Ryan Gilpin. 2021.</i>					
The <i>Plant Salt Tolerance List for the San Francisco Bay Area Landscapes</i> contains over 500 species of trees, shrubs, vines, perennials, and grasses. The list includes ratings for salt tolerance, water use, plant type, and whether the plant is native to California and/or invasive. The ratings are approximations; plant response will vary depending on specific site and microclimate variables. Refer to the <i>Guide</i> , page 32 for instruction on how to use this <i>List</i> to develop a plant palette that is appropriate to the irrigation water quality and the landscape soil conditions.					
Considerable variation in ratings among published plant lists is common because of differences in climate, soil conditions, salt type, whether ratings were based on soil or water salinity, length of the study, and other variables. These variables were considered when assigning a salt tolerance rating for San Francisco Bay Area landscapes.					
Following are the components of the <i>Plant Salt Tolerance List</i>:					
Scientific name					
The current scientific (botanical) name is listed according to standard nomenclature. Where the nomenclature has changed, the previous name is listed and the reader directed to the current name.					
Common name					
The common name in general use. Many plants have more than one common name.					
Salt tolerance					
Rating is based on soil salinity range in which species is expected to maintain acceptable appearance and health in most Bay Area landscapes.					
WUCOLS					
The Water Use Classification of Landscape Species (ucanr.edu/sites/WUCOLS/) rating is the approximate amount of irrigation water needed by the species to maintain good appearance and health, expressed as a percentage of reference evapotranspiration (ET _o).					
Plant type					
The general form or use in the landscape. Categories include tree, shrub, groundcover, vine, fern, grass, grass-like, perennial and succulent.					
Native/Invasive					
Species native to California are identified. Cultivars of native species were included as well. The primary reference was Calscape (California Native Plant Society, calscape.org)					
Invasive plants are identified based on classification by the California Invasive Plant Council (cal-ipc.org).					
How the salt tolerance list was developed					

Plant Salt Tolerance List for the San Francisco Bay Area

Refer to Instructions at end of list

Scientific Name	CommonName	SaltTolerance	WUCOLS	PlantType	CA Native/Invasive
The salt tolerance ratings were based on exhaustive literature searches over many years. The ratings were from quantitative data from scientific research when available, but more often the references reported personal and anecdotal experience. Many sources did not describe how their ratings were established, if or how salinity was assessed, the conditions under which the plants were grown, and/or the criteria for rating sensitivity (e.g. growth rate, appearance, degree of injury symptoms, etc.). In some cases, it was not clear if the ratings were based on soil salinity, irrigation water salinity, wind-born salt spray, or road salt applications. We did our best to interpret the ratings and apply them to Bay Area landscapes.					
An important consideration for research-based ratings is how the experiments were conducted and for how long. In our experience, experimental results from small plants grown in containers in a soilless media for a few months may not be consistent with what we observe in a mature landscape with fine-textured mineral soil. Experimental results that categorize salt tolerance by degree of growth reduction may not apply to landscapes where the primary concerns are appearance and health, not growth rate.					
When quoting text from this document, please use this citation:					
Matheny, N. P., L. R. Costello, C. Randisi, and R. M. Gilpin. 2021. Irrigating San Francisco Bay Area Landscapes with Recycled Water. WateReuse California.					
The authors are interested in learning of users' experience with salt tolerance ratings and plant performance. Please send comments to Nelda Matheny, NMatheny@Bartlett.com.					
©2021 by Nelda Matheny					
All rights reserved. No portion of this work may be reproduced or transmitted in any means, electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system without permission in writing from WateReuse and the Principal Author.					