

Table 4. Tolerance of landscape groundcover and vine species to salt spray (overhead irrigation with recycled water) and soil salinity.

Botanical name	Common name	Tolerance to salt spray ⁽¹⁾	Tolerance to soil salinity ⁽²⁾
Ground Covers			
<i>Adiantum sp.</i> L.	Maidenhair Fern	M	M
<i>Ajuga reptans</i>	Carpet Bugle	S	S
<i>Aloe vera</i> Burm. f.	Aloe	H	T
<i>Alternanthera ficoidea</i> R. Br.	Joyweed	M	M
<i>Aptenia cordifolia</i> N. E. Br.	Red Apple Iceplant	T	T
<i>Arctostaphylos densiflora</i> 'Lynne' M.S.Bak.	Lynne's Vine Hill Manzanita	M	M
<i>Athyrium filix-femina</i> Rith.	Lady Fern	S	S
<i>Bromeliaceae sp.</i> L.	Bromeliads	M	M
<i>Caladium sp.</i> Vent.	Caladium	S	S
<i>Carissa macrocarpa</i> A. DC.	Natal Plum	H	T
<i>Carpobrotus edulis</i> L. Bolus.	Hottentot Fig	H	T
<i>Catharanthus roseus</i> G. Donf.	Periwinkle	T	M
<i>Chlorophytum comosum</i> Jacq.	Spider Plant	M	M
<i>Cuphea hyssopifolia</i> Kunth.	False Heather	M	T
<i>Cyperus alternifolius</i> L.	Umbrella Sedge	M	M
<i>Delosperma 'Alba'</i> N. E.	White Iceplant	H	H
<i>Dietes spp.</i> Salisb. ex Klatt.	African Iris	M	M
<i>Drosanthemum hispidum</i> Schwantes.	Rosea Iceplant	H	H
<i>Ficus pumila</i> L.	Creeping Fig	H	T
<i>Hemerocallis sp.</i> L.	Daylily	M	M
<i>Iris hexagona</i> Walter	Iris	M	M
<i>Juniperus chinensis</i> L.	Chinese Juniper	M	M
<i>Juniperus conferta</i> Parl.	Shore Juniper	T	T
<i>Juniperus horizontalis</i> Moench.	Creeping Juniper	H	T
<i>Juniperus procumbens</i> Siebild ex Endl.	Japanese Garden Juniper	M	M
<i>Kalanchoe sp.</i> Adans.	Kalanchoe	M	M
<i>Lampranthus productus</i> N. E. Br.	Purple Iceplant	H	H
<i>Liriope muscari</i> L. H. Bail.	Lilyturf (Liriope)	M	M
<i>Malephora crocea</i> Schwantes.	Iceplant	H	H
<i>Nephrolepis exaltata</i> Schott.	Sword Fern	H	T
<i>Peperomia obtusifolia</i> Dietr.	Peperomia	S	S
<i>Portulaca grandiflora</i> Hook.	Purslane (Rose Moss)	M	S
<i>Rosmarinus officinalis</i> L.	Rosemary	M	M
<i>Salvia farinacea</i> Benth.	Mealycup Sage	S	S

<i>Tigridia pavonia</i> Ker Gawler	Tiger Flower	T	M
<i>Tradescantia pallida</i> Hunt.	Purple Queen	H	T
<i>Tulbaghia violacea</i> Harvey	Society Garlic	M	M
<i>Verbena</i> sp. L.	Verbena	S	S
<i>Zamia integrifolia</i> L. f.	Coontie	H	T
Vines			
<i>Allamanda blanchetii</i> A. DC.	Purple Allamanda	M	M
<i>Allamanda cathartica</i> L.	Allamanda	T	T
<i>Antigonon leptopus</i> Hookery	Coral Vine	S	M
<i>Bougainvillea glabra</i> Choisy	Bougainvillea	H	T
<i>Campsis radicans</i> Seem.	Trumpet Creeper	S	S
<i>Clerodendrum thomsoniae</i> Balf. f.	Bleeding Heart Vine	S	S
<i>Clytostoma callistegioides</i> Miers ex Bur.	Violet Trumplt Vine	S	S
<i>Epipremnum</i> sp. Schott.	Pothos	M	M
<i>Ficus pumila</i> L.	Creeping Fig	H	T
<i>Hedera canariensis</i> Willd.	Algerian Ivy	H	T
<i>Hedera helix</i> L.	English Ivy	M	M
<i>Hylocereus undatus</i> Britton & Rose	Night Blooming Cereus	M	M
<i>Ipomoea pescaprae</i> R. Br.	Railroad Vine	H	T
<i>Ipomoea stolonifera</i> Gmel.	Seafoam Morning Glory	H	T
<i>Passiflora incarnata</i> L.	Passion Flower	S	S
<i>Philodendron williamsii</i> Hook.	Philodendron	M	M
<i>Tecomaria capensis</i> Spach.	Cape Honeysuckle	H	T
<i>Trachelospermum jasminoides</i> Lem.	Star Jasmine	T	T

Data in the table adapted from Wu L. and Dodge L. 2005 Special Report for the Elvenia J. Slosson Endowment Fund (in press).

(1): Tolerances to salt spray are defined by the degree of salt stress symptoms developed in plant leaves and the salt concentrations in the irrigation water. Highly tolerant (H): No apparent salt stress symptoms observed when plants are irrigated with water containing 600 mg L⁻¹ sodium and 900 mg L⁻¹ chloride. Tolerant (T): No apparent salt stress symptoms observed when plants are irrigated with water containing 200 mg L⁻¹ sodium and 400 mg L⁻¹ chloride. Moderately tolerant (M): Symptoms observed on less than 10% of leaves when plants are irrigated with water containing 200 mg L⁻¹ sodium and 400 mg L⁻¹ chloride. Sensitive (S): More than 20% of leaves develop symptoms when plants are irrigated with water containing 200 mg L⁻¹ sodium and 400 mg L⁻¹ chloride.

(2): The definitions of soil salinity tolerance are: Highly tolerant (H): acceptable soil EC greater than 6 dS m⁻¹, Tolerant (T): acceptable soil EC greater then 4 and less than 6 dS m⁻¹, Moderately tolerant (M): acceptable soil EC greater than 2 and less than 4 dS m⁻¹, Sensitive (low tolerance) (S): acceptable soil EC less than 2 dS m⁻¹.