

Table 2. Tolerance of landscape tree 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⁾
<i>Acer pseudoplatanus</i> L.	Sycamore Maple	S	S
<i>Acer rubrum</i> L.	Red Maple	S	S
<i>Albizia julibrissin</i> Durazz.	Silk Tree	S	S
<i>Araucaria heterophylla</i> (Salisb.)	Norfolk Island Pine	H	T
<i>Averrhoa carambola</i> L.	Carambola, Starfruit	M	M
<i>Bauhinia purpurea</i> L.	Orchid Tree	S	M
<i>Callistemon citrinus</i> Curtis.	Lemon Bottlebrush	T	M
<i>Carya illinoensis</i> Koch.	Pecan	M	M
<i>Cedrus deodara</i> D. Don	Deodar Cedar	M	M
<i>Celtis sinensis</i> Pers.	Chinese Hackberry	S	S
<i>Citrus limon</i> L.	Lemon	S	S
<i>Citrus paradisi</i> Macf.	Grapefruit	S	S
<i>Citrus reticulata</i> Blanco.	Tangerine	S	S
<i>Citrus sinensis</i> Osbeck.	Orange	S	S
<i>Coccoloba uvifera</i> L.	Sea Grape	H	T
<i>Cornus mas</i> L.	Cornelian Cherry	S	S
<i>Cotoneaster microphyllus</i> Lindl.	Rockspray or Little-leaf Cotoneaster	M	M
<i>Cupressus sempervirens</i> L.	Italian Cypress	M	M
<i>Diospyros digyna</i> L.	Black Sapote	M	M
<i>Diospyros virginiana</i> L.	American Persimmon	S	S
<i>Eriobotrya japonica</i> Lindl.	Loquat	M	M
<i>Euryops pectinatus</i>	Golden Marguerite	S	S
<i>Ficus carica</i> L.	Edible Fig	T	T
<i>Forsythia x intermedia</i> Zabel	Forsythia	T	T
<i>Fraxinus oxycarpa</i> Bieb. Ex Willd.	Raywood Ash	M	M
<i>Ginkgo biloba</i> L.	Ginkgo	S	S
<i>Grevillea robusta</i> Cunn.	Silk Oak	H	T
<i>Jacaranda mimosifolia</i> D. Don.	Jacaranda	S	S
<i>Juniperus silicicola</i> Bail.	Southern Red Cedar	H	T
<i>Juniperus virginiana</i> L.	Skyrocket Juniper	H	T
<i>Koelreuteria paniculata</i> Laxm.	Goldenrain Tree	M	M
<i>Lagerstoemia indica</i> L.	Crape Myrtle	S	S
<i>Ligustrum japonicum</i> Thunb.	Japanese Privet	M	M
<i>Liquidambar styraciflua</i> L.	Sweet Gum	S	S
<i>Litchi chinensis</i> Sonn.	Lychee	S	S

<i>Magnolia grandiflora</i> L.	Southern Magnolia	S	S
<i>Malus sylvestris</i> Mill.	Crab Apple	S	S
<i>Mangifera indica</i> L.	Mango	S	S
<i>Manilkara zapota</i>	Sapodilla	T	T
<i>Musa acuminata</i> Colla.	Banana	S	S
<i>Olea europaea</i> L.	Olive	S	S
<i>Parthenium argentatum</i> Gray.	Guayule	H	H
<i>Persea americana</i> Mill.	Avacado	M	M
<i>Pinus cembroides</i> Zucc.	Mexican Pinon Pine	H	T
<i>Pinus clausa</i> Vasey	Sand Pine	H	T
<i>Pinus elliottii</i> Engelm.	Florida Slash Pine	M	M
<i>Pinus halepensis</i> Mill.	Aleppo Pine	M	M
<i>Pinus thunbergii</i> Parl.	Japanese Black Pine	M	M
<i>Pistachia chinensis</i> Bunge.	Chinese Pistache	S	S
<i>Platycladus orientalis</i> Franco	Oriental Arbor-Vitae	M	M
<i>Plumbago auriculata</i> Lam.	Cape Plumbago	T	M
<i>Plumeria</i> spp. L.	Frangipani	T	T
<i>Prunus armeniaca</i> L.	Apricot	S	S
<i>Prunus caroliniana</i> Ait.	Carolina Laurel Cherry	M	S
<i>Prunus dulcis</i> D.A.Webb.	Almond	S	S
<i>Prunus persica</i> Batsch	Peach	S	S
<i>Prunus spinosa</i> L.	Blackthorn	T	M
<i>Psidium guajava</i> L.	Guava	S	S
<i>Punica granatum</i> L.	Pomegranate	M	M
<i>Pyrus communis</i> L.	Pear	L	L
<i>Pyrus spinosa</i> Forssk.	Almond-leaved Pear	M	M
<i>Quercus agrifolia</i> Nee	Coast Live Oak	T	T
<i>Quercus laurifolia</i> Michux	Laurel Oak	S	S
<i>Quercus suber</i> L.	Cork Oak	M	M
<i>Quercus virginiana</i> Mill.	Live Oak	H	T
<i>Sapium sebiferum</i> Roxb.	Chinese Tallow Tree	H	T
<i>Schefflera actinophylla</i> Harms	Schefflera, Umbrella Tree	M	M
<i>Sequoia sempervirens</i> Endl.	Coast Redwood Var. Aptos Blue	S	S
<i>Sequoia sempervirens</i> Endl.	Coast Redwood Var. Los Altos	M	M
<i>Syzygium jambos</i> Alston	Rose Apple	S	S
<i>Ulmus parvifolia</i> 'Drake'	Chinese Elm cv. Drake	M	M
<i>Ulmus parvifolia</i> Jacq.	Chinese Elm	M	M
Palms			
<i>Acoelorrhaphe wrightii</i> Becc.	Paurotis Palm	M	M
<i>Butia capitata</i> Becc.	Pindo Palm	T	T
<i>Caryota mitis</i> Lour.	Fishtail Palm	M	M
<i>Chamaerops humilis</i> L.	Mediterranean Fan	T	T

	Palm		
<i>Chrysalidocarpus lutescens</i> Wendl.	Areca Palm	M	M
<i>Nolina recurvata</i> Hemsle	Ponytail Palm (not a true palm)	M	M
<i>Phoenix canariensis</i> Chabaud.	Canary Island Date Palm	M	M
<i>Phoenix dactylifera</i> L.	Date Palm	T	T
<i>Phoenix reclinata</i> Jacq.	Senegal Date Palm	M	M
<i>Phoenix roebelinii</i> O'Brien.	Pygmy Date Palm	M	M
<i>Rhapis excelsa</i> Henry	Lady Palm	M	M
<i>Sabal palmetto</i> Lodd.	Cabbage Palm	T	T
<i>Serenoa repens</i> Small	Saw Palmetto	T	T
<i>Syagrus romanzoffiana</i> L.	Queen Palm	M	M
<i>Washingtonia robusta</i> Wendl.	Mexican Fan Palm	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.