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ORNAMENTAL PLANTS TOLERANT OF SALINE AND ALKALI SOILS

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The ornamental plants listed herein have been observed over a long period of years to have some tolerance to both saline and alkali soils. Some of them have more tolerance than others. Actual field experience or knowledge of past field experience is the most reliable guide in determining which of these plants will be satisfactory for any specific locality or area. It is important to realize that such other factors as soil texture, soil fertility, soil management, water supply, drainage, and especially climate, also influence the selection of ornamental plants for any locality. If these other factors are favorable, the ornamental plants listed may be expected to grow well in soils which are either moderately saline or moderately alkaline.

TREES

Acacia baileyana	Morus nigra (black mulberry)
Acacia melanoxylon (blackwood acacia)	Myrica californica
Brachychiton populneum (bottle tree)	Olea europaea (olive)
Carya illinoensis (pecan)	Parkinsonia aculeata (Jerusalem-thorn)
Casuarina stricta (and other species of beefwood)	Paulownia tomentosa
Catalpa speciosa	Pistacia chinensis (Chinese pistache)
Ceratonia siliqua (carob)	Platanus racemosa (Western sycamore and other species or varieties)
Cercidium floridum (torreyanum) (Palo Verde)	Populus fremonti (Fremont's cottonwood)
Cinnamomum camphora (camphor tree)	Prosopis glandulosa (honey mesquite)
Eucalyptus rostrata (red gum)	Quercus lobata (valley oak)
Eucalyptus rudis (desert gum)	Quercus robur (English oak)
Eucalyptus tereticornis (slaty gum)	Robinia pseudo-acacia (black locust)
Ficus macrophylla (rubber tree)	Robinia pseudo-acacia var. decaisneana (pink-flowered locust)
Fraxinus velutina (Arizona ash)	Salix discolor (pussy willow)
Gleditsia triacanthos (honey locust)	Salix laevigata (red willow)
Juglans hindsii and other black walnuts	Schinus molle (pepper tree)
Koelreuteria paniculata (goldenrain tree)	Tamarix aphylla (athel)
Melaleuca leucadendron (cajeput tree) not frost resistant	Ulmus pumila (Siberian elm)
Melaleuca styphelioides (paperbark or bottlebrush)	Zizyphus jujuba (common jujube)
Melia azedarach var. umbraculiformis (umbrella tree)	

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PALMS AND TREE-LIKE PLANTS

Arundo donax (giant reed)
Phoenix canariensis (Canary Island date palm)
Phoenix dactylifera (date palm of commerce)

Phormium tenax (New Zealand flax)
Washingtonia filifera (California fan palm)
Washingtonia robusta (*sonorae*) (Sonora fan palm)
Yucca spp.

SHRUBS AND SUBSHRUBS

Abelia grandiflora
Abutilon spp. (flowering maple)
Acacia armata (Kangaroo thorn)
Acacia longifolia (Sydney wattle)
Aloysia triphylla (*Lippia citriodora*) (lemon verbena)
Arbutus unedo (strawberry tree)
Atriplex brewerii (salt bush)
Berberis thunbergii
Callistemon lanceolatus (and other species of bottle brush)
Cephalanthus occidentalis (button-bush)
Choisya ternata (Mexican-orange)
Chrysanthemum frutescens (marguerite)
Colutea cilicica (Cilician bladder senna)
Convolvulus cneorum
Cortaderia selloana (pampas grass)
Cytisus canariensis (Canary Island broom)
Deutzia lemoinei
Dodonaea viscosa
Elaeagnus pungens
Fabiana imbricata
Heliotropium arborescens (heliotrope)
Hibiscus rosa-sinensis (Chinese hibiscus)
Jasminum nudiflorum

Lagerstroemia indica (crape myrtle)
Lavatera assurgentiflora (tree mallow)
Leptospermum laevigatum (Australian tea tree)
Lonicera tatarica (Tatarian bush honeysuckle)
Melaleuca ericifolia (Swamp paper bark; bottle brush)
Melaleuca hypericifolia
Melaleuca nesophila
Myoporum laetum
Myrtus communis (myrtle shrub)
Nerium oleander (oleander)
Pelargonium hortorum (garden geranium)
Philadelphus virginialis (mock-orange)
Pittosporum tobira (and other species)
Prunus ilicifolia (holly-leaved cherry)
Punica granatum (pomegranate)
Pyracantha coccinea (firethorn)
Ribes sanguineum (wild currant)
Spartium junceum (Spanish broom)
Syringa persica (Persian lilac)
Tamarix spp.
Teucrium spp. (germander)
Thryallis glauca

VINES

Antigonon leptopus (coral-vine)
Rosa de Montana
Aristolochia durior (Dutchman's pipe vine)
Bougainvillea spp.
Dolichos ligustris (Australian pea vine)
Doxantha unguis-cati (trumpet vine)
Hedera helix (English ivy)
Jasminum mesnyi (primrose jasmine)
Lantana selloana (trailing lantana)
Lonicera japonica var. *halliana* (Hall's honeysuckle)

Parthenocissus quinquefolia (Virginia creeper)
Parthenocissus tricuspidata var. *veitchii* (Boston ivy)
Passiflora caerulea, *P. edulis*, *P. jame-soni*, *P. manicata*, *P. mollissima* (and other species of passion-flower)
Phaedranthus buccinatorius
Rosa (climbing varieties of roses on Ragged Robin root)
Vitis vinifera (long-pruned varieties of grapes)

Wistaria sinensis (Chinese wisteria)

BULBS AND ROOTS

Calochortus spp. (Mariposa-lily)	Iris germanica (German iris)
Canna indica. (as var. King Humbert)	Scilla hispanica (S. campanulata)
Crocus vernus (common crocus)	(Spanish squill)
Hemerocallis fulva (tawny day-lily)	Scilla sibirica (Siberian squill)

ANNUALS AND PERENNIALS

Aethionema saxatile (stone-cress)	Helleborus niger (Christmas rose)
Althaea rosea (hollyhock)	Hibiscus moscheutos (common rose-mallow)
Amaranthus caudatus (tassel flower)	Iberis amara (candytuft)
Anemone japonica (Japanese anemone)	Lavandula spp. (lavender)
Anthemis tinctoria (golden marguerite)	Majorana hortensis (marjoram)
Antirrhinum majus (common snapdragon)	Melissa officinalis (lemon balm)
Asperula odorata (sweet woodruff)	Mesembryanthemum spp. (and related ice plants)
Aster novi-belgi (New York aster)	Myosotis scorpioides
Calendula officinalis (pot marigold)	Nicotiana alata var. grandiflora
Centaurea cyanus (cornflower)	(flowering tobacco)
Cheiranthus cheiri (wallflower)	Oenothera biennis (common evening primrose)
Chrysanthemum maximum (Shasta daisy)	Papaver spp. (poppy)
Coreopsis grandiflora (and other species of Coreopsis)	Petunia spp.
Corydalis sempervirens	Phlox divaricata (blue phlox)
Cosmos bipinnatus (common cosmos)	Phlox paniculata (garden phlox)
Dianthus spp. (pinks and carnations)	Phlox subulata (moss phlox)
Dimorphotheca spp. (cape-marigold)	Salvia spp. (sage)
Gaillardia aristata	Saxifraga aizoon (aizoon saxifrage)
Gazania spp.	Sempervivum tectorum (roof house-leek)
Gerbera jamesoni (gerbera, Transvaal daisy)	Silene stellata (starry campion)
Gilia capitata (globe gilia)	Verbena hortensis (common verbena)
Gypsophila repens (creeping gypsophila)	Viola lutea (European yellow violet)
Helianthus giganteus (giant sunflower)	Zinnia spp.
Heliopsis helianthoides (sunflower heliopsis)	

LAWN GRASSES

Cynodon dactylon (Bermuda grass)	Poa pratensis (Kentucky bluegrass)
Festuca elatior (meadow fescue)	for a moderate amount of alkali