

Salt Tolerant Plants

Selecting plants for a coastal or seaside garden can be a difficult task. Despite having milder winters, the soils in these areas are usually very sandy, drain quickly, and are prone to having a high pH.

Added to that is the fact that the groundwater is frequently salty and ocean winds carry a fine mist of salt-laden water that gets deposited on plant leaves. The combination of these factors causes a desiccating effect that can severely stress plants trying to grow in coastal conditions.

Unusual weather such as hurricanes, nor'easters, snow, or ice storms can cause similar salt-related problems through coastal flooding or having landscapes in the drainage path of a salt-treated road.



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Sources of Salt in Your Garden

Storms and Flooding

The soil in areas near the ocean tends to have higher than normal salt levels. Salt is often carried off the sea by the wind and deposited onto the plants and soil. Over time the salt levels build up and can kill your plants. Storms and coastal flooding add to the problem causing large amounts of salt to land directly onto your garden. Your garden doesn't like too high of a concentration of salt,

however there are some plants that are more tolerant of salty conditions.

Choosing the right plants for your landscape is a key to having a beautiful garden.



Salt Treated Roads

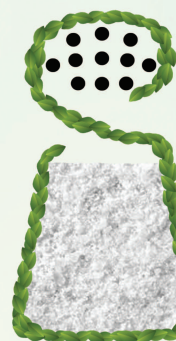
In order to maintain the safety of driveways, roads, and walkways, the use of road de-icing salt is a necessary and common practice during the winter months. Unfortunately, these salts get dispersed onto trees and shrubs, and concentrate in soils often causing damage to exposed plants.



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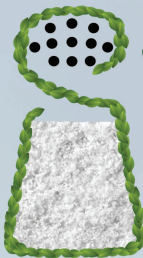


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Your guide to
**Salt
Tolerant
Plants**





Salt Tolerant Plants

Plants growing in coastal areas or near roads are subjected to environmental conditions much different than plants in other areas. The most significant effect on plant growth is salt spray. Most plants will not tolerate salt accumulating on their foliage, making plant selection for these areas particularly challenging.

The following information can be used as a guideline for choosing the right plants for landscapes where these conditions exist.



Saline Spray

Aerial drift of salt-laden water droplets is most frequently seen on seaside plants and near roads and sidewalks where de-icing salts are applied.

Birch

- Gray Birch
Betula Populifolia
- Paper Birch
Betula Papyrifera

Holly

- American
Ilex Opaca

Lilac

- Japanese
Syringa Reticulata

Oak

- English Oak
Quercus Robur
- Willow Oak
Quercus Phellos

Pines

- Austrian
Pinus Nigra
- Longleaf Pine
Pinus Palustris

Prunus

- Black Cherry
Prunus Serotina

Spruce

- Colorado
Picea Pungens



Saline Soils

Most landscape plants are sensitive to soil salinity. Saline soils usually occur in coastal regions and areas where de-icing salts are applied.

Oak

- Pin Oak
Quercus Palustris
- Red Oak
Quercus Rubra
- White Oak
Quercus Alba

Prunus

- Carolina Cherrylaurel
Prunus Caroliniana

Magnolia

- Sweetbay Magnolia
Magnolia Virginiana



Saline Spray and Soil

The hardest of trees and shrubs used in your typical garden landscape can tolerate both saline spray and saline soils.

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phone: 609-296-3091

fax: 609-296-4193



Bayberry

- Bayberry
Myrica Pennsylvanica

Bald Cypress

- Bald Cypress
Taxodium Distichum

Boxwood

- Littleleaf Boxwood
Buxus Microphylla

Cotoneaster

- Spreading
Cotoneaster Divaricatus
- Rockspray
Cotoneaster Horizontalis

Chamaecyparis

- False Cypress
Chamaecyparis Psilifera

Holly

- Chinese
Ilex Cornuta
- Japanese
Ilex Crenata
- Inkberry
Ilex Glabra
- Yaupon
Ilex Vomitoria

Juniper

- Chinese
Juniperus Chinesis
- Common
Juniperus Communis
- Creeping
Juniperus Horizontalis
- Eastern Red Cedar
Juniperus Virginiana
- Hollywood
Juniperus Chinesis Torulosa
- Shore
Juniperus Conferta

Lilac

- Common
Syringa Vulgaris

Magnolia

- Southern Magnolia
Magnolia Grandiflora

Oak

- Bur Oak
Quercus Macrocarpa
- Live Oak
Quercus Virginiana

Pines

- Japanese Black Pine
Pinus Thunbergiana
- Mugo Pine
Pinus Mugo

Prunus

- Beach Plum
Prunus Maritima
- Cherry Laurel
Prunus Laurocerasus

- Purple Leaf Sand Cherry
Prunus Cistena

Spirea

- Bumalda
Spirea Bumalda
- Japanese
Spirea Japonica

Rose of Sharon

- Rose of Sharon
Hibiscus Syriacus

Viburnum

- Arrowwood
Viburnum Dentatum
- European Cranberry
Viburnum Opulus



For a more comprehensive list of salt tolerant plants, contact your Green Goods Direct Representative today or check out our website www.greengoodsdirect.com

The information given in this brochure is supplied with the understanding that variables exist within species and conditions making classification of salt tolerance a relative judgement.