

# 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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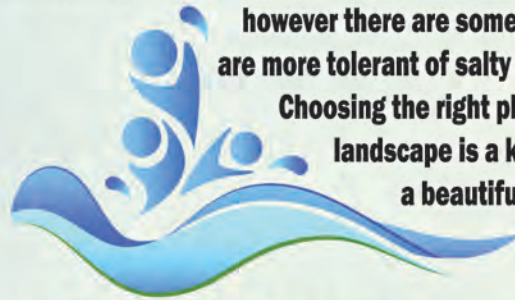
## Sources of Salt in Your Garden

### 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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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*

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## Saline Spray and Soil

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

## 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*
- Creeping  
*Juniperus Horizontalis*
- Common  
*Juniperus Communis*
- 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](http://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.