

# SALT TOLERANT Trees and Shrubs

The following Trees and Shrubs are selected from Landscape Ontario's Survival Guide for Professionals.

Trees highlighted yellow can be found on this site.

## Trees and Shrubs with High Salt Tolerance

Green Ash	Fraxinus americana
Shademaster Locust	Gelditsia triacanthos
Larch	Larix species
Colorado Spruce	Picea pungens
Austrian Pine	Pinus nigra
Ornamental Pears	Pyrus species
Large Toothed Aspen	Populus grandidentata
Red Oak	Quercus rubra
Siberian Pea	Caragana arborescens
Junipers	Juniperus species
Honeysuckle	Lonicera species
Bridleweath Spirea	Spiraea x Vanhouttei
Snowberry	Symphoricarpus species
Lilacs	Syringa species

## Trees and Shrubs with Moderate Salt Tolerance

Silver Maple	Acer Saccharinum
Paper Birch	Betula papyrifera
Catalpa	Catalpa species
Norway Spruce	Picea abies
Basswood	Tilia americana
Shrub Maple	Acer ginnala
Boxwood	Buxus microphylla
Forsythia	Forsythia x intermedia
Mockorange	Philadelphus species
Firethorn	Pyracantha species
Cranberry Viburnum	Viburnum trilobum

Armed with this information we should now be able to better design the gardens near our driveways, streets and public areas where salting is necessary to enable public access in our far to long winters.

### Trees tolerant of saline soils or salt spray

Common name	Latin name	Deciduous/Evergreen	Type of salt tolerance	Cold hardiness/Heat tolerance
Hedge maple	<i>Acer campestre</i>	D	Salt spray	5-8/8-4
Sycamore maple	<i>Acer pseudoplatanus</i>	D	Salt spray	4-7/7-1
Horsechestnut	<i>Aesculus hippocastanum</i>	D	Salt spray	3-8/8-1
Red buckeye	<i>Aesculus pavia</i>	D	Saline soils	5-8/8-4
Paper birch	<i>Betula papyrifera</i>	D	Salt spray	2-7/7-1
Gray birch	<i>Betula populifolia</i>	D	Salt spray	3-7/7-2
Catalpa	<i>Catalpa speciosa</i>	D	Salt spray	4-8/8-1
Hackberry	<i>Celtis laevigata</i>	D	Salt spray	5-9/9-3
White fringetree	<i>Chionanthus virginicus</i>	D	Saline soils	5-9/9-5
Lavalle hawthorne	<i>Crataegus x lavalleyi</i>	D	Salt spray	5-8/8-3
Japanese cedar	<i>Cryptomeria japonica</i>	E	Salt spray	6-9/9-6
Common persimmon	<i>Diospyros virginiana</i>	D	Saline soils, salt spray	7-9/9-7
White ash	<i>Fraxinus americana</i>	D	Saline soils, salt spray	6-9/9-3
European ash	<i>Fraxinus excelsior</i>	D	Salt spray	6-9/9-6
Green ash	<i>Fraxinus</i>	D	Salt spray	4-9/9-1

	pennsylvanica			
Ginkgo	Ginkgo biloba	D	Salt spray	5-9/9-2
Honeylocust	Gleditsia triacanthos	D	Saline soils, salt spray	3-7/7-1
Kentucky coffeetree	Gymnocladus dioicus	D	Salt spray	5-9/9-2
American holly	Ilex opaca	E	Salt spray	5-9/9-5
Black walnut	Juglans nigra	D	Saline soils, salt spray	5-9/9-5
Eastern red cedar	Juniperus virginiana	E	Saline soils, salt spray	3-9/9-1
Goldenraintree	Koelreuteria paniculata	D	Saline soils, salt spray	5-9/8-5
Common larch	Larix decidua	D	Salt spray	3-6/6-1
Sweetgum	Liquidambar styraciflua	D	Salt spray	6-9/9-1
Southern magnolia <sup>1</sup>	Magnolia grandiflora	E	Saline soils, salt spray	7-9/9-3
Sweetbay magnolia	Magnolia virginiana	E	Saline soils	6-9/9-6
Black gum	Nyssa sylvatica	D	Salt spray	5-9/9-5
Colorado spruce <sup>2</sup>	Picea pungens	E	Salt spray	3-8/8-1
Austrian pine	Pinus nigra	E	Salt spray	5-8/8-4
Longleaf pine <sup>1</sup>	Pinus palustris	E	Salt spray	7-9/9-3
Japanese black pine	Pinus thunbergiana	E	Saline soils, salt spray	5-8/8-4
White poplar	Populus alba	D	Saline soils, salt spray	4-9/9-1
Carolina cherrylaurel <sup>1</sup>	Prunus caroliniana	D	Saline soils	7-9/9-3
Black cherry	Prunus serotina	D	Salt spray	3-8/8-2
White oak	Quercus alba	D	Saline soils	5-9/9-5
Bur oak	Quercus macrocarpa	D	Saline soils, salt spray	3-9/9-1
Pin oak	Quercus palustris	D	Saline soils	5-8/8-4
Willow oak	Quercus phellos	D	Salt spray	6-9/9-5

English oak	Quercus robur	D	Salt spray	4-8/8-4
Red oak <sup>2</sup>	Quercus rubra	D	Saline soils	5-9/9-4
Live oak <sup>1</sup>	Quercus virginiana	E	Saline soils, salt spray	7-9/9-3
Black locust	Robinia pseudoacacia	D	Saline soils, salt spray	4-9/9-4
Weeping willow	Salix alba	D	Salt spray	6-9/9-5
Corkscrew willow	Salix matsudana	D	Salt spray	6-9/9-5
Japanese pagodatree	Sophora japonica	D	Salt spray	6-9/9-6
Japanese tree lilac	Syringa reticulata	D	Saline soil, salt spray	6-8/8-6
Baldcypress	Taxodium distichum	D	Saline soils, salt spray	5-11/12-5
Chastetree <sup>1</sup>	Vitex angusticatus	D	Saline soils	6-9/9-1

A selective list of salt tolerant plants is as follows:

Deciduous Shrubs:	Deciduous Trees:
Amelanchier spp. (Serviceberry)(Saskatoon)	Acer campestre (Hedge Maple)
	Acer pseudoplatanus (Sycamore Maple)
Aronia spp. (Chokeberry)	Aesculus hippocastanum (Common Horsechestnut)
Caragana arborescens (Siberian Pea Shrub)	Ailanthus altissima (Tree-of-Heaven)
Cytisus spp. (Broom)	Betula (Birch)
Hamamelis spp. (Witch Hazel)	Elaeagnus angustifolia (Russian Olive)
Hibiscus syriacus and cvs. (Rose of Sharon)	
Hippophae rhamnoides (Sea Buckthorn)	Fraxinus americana (White Ash and cvs.)
Hydrangea spp. and cvs. (Hydrangea)	Fraxinus excelsior (European Ash)
Hypericum (most) (St. John's Wort)	Fraxinus pennsylvanica (Green Ash)

Ilex verticillata (Winterberry)	Ginkgo biloba (Maidenhair Tree)
Lonicera tatarica 'Zabelli' (Zabel's Honeysuckle)	Gleditsia triacanthos inermis and cvs. (Honey Locust)
Lonicera xylosteum (European Fly Honeysuckle)	Gymnocladus dioica (Kentucky Coffee Tree)
	Magnolia (most)
Myrica pennsylvanica (Northern Bayberry)	Nyssa sylvatica (Blackgum)
Philadelphus spp. and cvs. (Mockorange)	Populus spp. (Poplar)
Potentilla (Cinquefoil)	Prunus x cistena (Sand Cherry)
Rhamnus frangula (Glossy Buckthorn)	Quercus alba (White Oak)
Rhodotypos scandens (Black Jetbead)	
Rhus (Sumac)	Quercus rubra (Red Oak)
Ribes alpinum (Alpine Currant)	Robinia pseudoacacia (Black Locust)
	Salix and cvs. (Willow)
Rosa (shrub types) (Shrubby Roses, e.g.. Rosa rugosa)	Sophora japonica (Japanese Pagoda Tree)
	Sorbus (Mountain Ash)
Shepherdia argentea (Silver Buffalo Berry)	
Symphoricarpos albus (Snowberry)	<b>Conifers:</b>
Tamarix ramosissima (Fivestamen Tamarisk)	Larix decidua (European Larch)
Viburnum dentatum (Arrowwood)	Larix kaempferi (Japanese Larch)
	Picea glauca (White Spruce)
<b>Broadleaf Evergreens:</b>	Picea glauca (Colorado Blue pungens Spruce)
Cotoneaster divaricata (Spreading Cotoneaster)	Pinus banksiana (Jack Pine)
Yucca filamentosa (Adam's Needle)	Pinus mugho mughus (Mountain Pine)
	Pinus nigra (Austrian Pine)
<b>Groundcovers:</b>	Pinus parviflora (Japanese White Pine)
Arctostaphylos uva-ursi (Bearberry)	Pinus ponderosa (Ponderosa Pine)

Erica spp. (Spring Heath)	Pinus thunbergii (Japanese Black Pine)
Iberis sempervirens (Edging Candytuft)	Platycladus orientalis (Oriental Arborvitae)
Potentilla (Shrubby Cinquefoil)	Taxodium distichum (Bald Cypress)
Symphoricarpos albus (Snowberry)	
Vaccinum and cvs. (Blueberry/Cranberry)	