

## Relative Salt Tolerance of Coastal Species

Plant Name	Salt Spray <sub>1</sub>	Salt Water <sub>2</sub>	Flooding <sub>3</sub>
<b><u>SHRUBS and VINES</u></b>			
<i>Amorpha fruticosa</i> -FACW (Indigobush)		X	*
<i>Arctostaphylos uva-ursi</i> – NI (Bearberry)	*	*	*
<i>Aronia arbutifolia</i> -FACW (Red chokeberry)		*	*
<i>Aronia melanocarpa</i> -FAC (Black chokeberry)		*	*
<i>Baccharis halimifolia</i> -FACW (Groundsel bush)	X	X	X
<i>Cephalanthus occidentalis</i> -OBL (Buttonbush)		*	*
<i>Clethra alnifolia</i> -FAC+ (Sweet pepperbush)	*	*	*
<i>Ilex glabra</i> -FACW- (Inkberry)	*	*	X
<i>Ilex decidua</i> -FACW (Possumhaw)		*	*
<i>Iva frutescens</i> -FACW+ (Marsh elder)	X	X	X
<i>Juniperus conferta</i> -NI (Seashore juniper)	X	*	X
<i>Lindera benzoin</i> -FACW- (Spicebush)		*	*
<i>Magnolia virginica</i> -FACW+ (Sweetbay)		*	*

Plant Name	Salt Spray <sup>1</sup>	Salt Water <sup>2</sup>	Flooding <sup>3</sup>
<i>Morella pensylvanica</i> - FAC <b>(Bayberry)</b>	X	*	*
<i>Myrica cerifera</i> -FAC <b>(Wax myrtle)</b>	X	*	X
<i>Parthenocissus quinquefolia</i> - FACU <b>(Virginia creeper)</b>	*	*	*
<i>Prunus maritima</i> – NI <b>(Beach plum)</b>	X	*	X
<i>Rosa carolina</i> -NI <b>(Pasture Rose)</b>	*	*	X
<i>Rosa rugosa</i> – FACU- <b>(Rugosa rose)</b>	X	*	X
<i>Rosa virginiana</i> - FAC <b>(Virginia rose)</b>	*	*	*
<i>Rhus copallina</i> – NI <b>(Winged/Dwarf sumac)</b>	*	*	*
<i>Salix discolor</i> -FACW <b>(Pussy willow)</b>		*	*
<i>Sambucus canadensis</i> -FACW- <b>(Elderberry)</b>		*	*
<i>Vaccinium corymbosum</i> -FACW- <b>(Highbush blueberry)</b>	*		*
<i>Viburnum dentatum</i> -FAC <b>(Southern arrowwood)</b>	*		*
<b>TREES</b>			
<i>Alnus serrulata</i> -OBL <b>(Smooth alder)</b>			*

Plant Name	Salt Spray <sup>1</sup>	Salt Water <sup>2</sup>	Flooding <sup>3</sup>
<i>Amelanchier canadensis</i> -FAC <b>(Serviceberry/Shadbush)</b>	*	*	*
<i>Celtis occidentalis</i> -FACU <b>(Hackberry)</b>	X		*
<i>Juniperus virginiana</i> -FACU <b>(Eastern Red Cedar)</b>	X	*	*
<i>Ilex opaca</i> - FACU+ <b>(American Holly)</b>	X	*	*
<i>Populus deltoides</i> – FAC <b>(Eastern cottonwood)</b>	*	*	*
<b>GRASSES/GRASSLIKES</b>			
<i>Ammophila breviligulata</i> -FACU- <b>(American beachgrass)</b>	X	X	X
<i>Distichlis spicata</i> -FACW+ <b>(Saltgrass)</b>	X	X	X
<i>Juncus gerardii/roemarianus</i> <b>(Blackgrass/Needlerush)</b>	X	X	X
<i>Panicum virgatum</i> -FAC <b>(Switchgrass)</b>	*	*	X
<i>Panicum amarum</i> -FACU- <b>(Bitter panicgrass)</b>	X	X	X
<i>Panicum amarulum</i> -FAC <b>(Coastal panicgrass)</b>	X	*	X
<i>Schizachyrium scoparium</i> var. <i>littoralis</i> -NI <b>(Seacoast bluestem)</b>	X	X	X
<i>Scirpus tabernaemontanii</i> -OBL <b>(Hardstem bulrush)</b>	*	*	*

Plant Name	Salt Spray <sup>1</sup>	Salt Water <sup>2</sup>	Flooding <sup>3</sup>
<i>Scirpus americanus</i> - OBL (Three square)	*	*	*
<i>Scirpus robustus</i> - OBL (Saltmeadow bulrush)	*	X	X
<i>Spartina alterniflora</i> -OBL (Smooth cordgrass)	X	X	X
<i>Spartina cynosuroides</i> -OBL (Giant Cordgrass)	*	*	*
<i>Spartina pectinata</i> -OBL (Prairie cordgrass)		*	*
<i>Spartina patens</i> -FACW+ (Saltmeadow cordgrass)	X	X	X
<i>Tripsacum dactyloides</i> -FACW (Eastern Gamagrass)	*	*	*
<i>Typha angustifolia</i> -OBL (Narrow-leaf cattail)	*	*	*
<b>FORBS</b>			
<i>Hibiscus moscheutos</i> - OBL (Marsh hibiscus)		*	*
<i>Kosteletzkya virginica</i> - OBL (Seashore mallow)		*	*
<i>Lathyrus maritimus</i> -FACU- (Beach pea)	X	*	*
<i>Solidago sempervirens</i> -FACW (Seaside goldenrod)	X	X	X

**Notes:**

**\1. Salt Spray**

**X** = tolerance to direct salt spray

\* = tolerance to indirect/infrequent salt spray

**\2. Salt Water (soil saturated)**

**X** = strong tolerance (up to 25-35 ppt sodium chloride concentration)

\* = low/medium tolerance (up to 10-15 ppt sodium chloride concentration)

**\3. Flooding tolerance** = tolerance to infrequent flooding of brackish water.

**X** = strong tolerance (up to 25-35 ppt sodium chloride concentration)

\* = low/medium tolerance (up to 10-15 ppt sodium chloride concentration)