

Native Trees, Shrubs, and Vines Suitable for Urban Environments - Tolerance to Abnormal Salt Levels

Trees				Wild Ones Niagara Falls
Resistant (tolerant)	Intermediate	Sensitive	NYS / Niagara Co. / Erie Co. Native	Common Name / Notes
		Abies balsamea	No	Balsam fir
	Abies concolor		No	White fir
	Abies lasiocarpa		No	Alpine fir
	Acer negundo		No	Boxelder
		Acer nigrum	Yes / Yes / Yes	Black Maple
		Acer pensylvanicum	Yes / No / Yes	Striped Maple
		Acer rubrum	Yes / Yes / Yes	Red Maple
	Acer saccharinum		Yes / Yes / Yes	Silver Maple
		Acer saccharum	Yes / Yes / Yes	Sugar Maple
	Acer spicatum		Yes / Yes / Yes	Mountain Maple
	Alnus rugosa		Yes / Yes / Yes	Hazel Alder
Amelanchier canadensis			Yes / Yes / Yes	Shadblow serviceberry
		Amelanchier laevis	Yes / Yes / Yes	Allegheny Serviceberry
		Asimina triloba	Yes / Yes / Yes	Common Pawpaw
	Betula lenta		Yes / No / Yes	Sweet Birch
	Betula lutea		Yes / Yes / Yes	Yellow Birch
Betula papyrifera			Yes / Yes / Yes	Paper Birch
Betula populifolia			Yes / No / No	Gray Birch
		Carya cordiformis	Yes / Yes / Yes	Bitternut Hickory
		Carya glabra	Yes / Yes / Yes	Pignut Hickory
		Carya illinoensis	No	Pecan
		Carya ovata	Yes / Yes / Yes	Shagbark Hickory
		Carya tomentosa	Yes / No / No	Mockernut Hickory
	Catalpa speciosa		No	Northern Catalpa
Celtis occidentalis			Yes / No / No	Common Hackberry
		Ceris canadensis	No	Eastern Redbud
Crataegus crusgalli			Yes / Yes / Yes	Cockspur Hawthorn
		Crataegus mollis	Yes / Yes / Yes	Downy Hawthorn
		Crataegus nitida	No	Glossy Hawthorn

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Wild Ones Niagara Falls		Crataegus phaenopyrum	No	Washington Hawthorn
		Crataegus pruinosa	Yes / Yes / Yes	Frosted Hawthorn
		Crataegus punctata	Yes / Yes / Yes	Dotted Hawthorn
		Fagus grandifolia	Yes / Yes / Yes	American Beech
	Fraxinus Americana		Yes / Yes / Yes	White Ash
	Fraxinus nigra		Yes / No / Yes	Black Ash
	Fraxinus pennsylvanica		Yes / Yes / Yes	Green Ash
	Fraxinus quadrangulata		No	Blue Ash
Gleditsia triacanthos			No	Common Honeylocust
Gymnocladus dioicus			Yes / No / No	Kentucky Coffeetree
		Halesia carolinia	No	Carolina Silverbell
		Hamamelis virginiana	Yes / Yes / Yes	Common Witchhazel
		Juglans cinerea	Yes / Yes / Yes	Butternut
		Juglans nigra	Yes / Yes / No	Eastern Black Walnut
Juniperus virginiana			Yes / Yes / Yes	Eastern Red Cedar
Larix laricina			Yes / Yes / Yes	Eastern Larch
		Magnolia acuminata	Yes / Yes / Yes	Cucumbertree Magnolia
	Malus ioensis		No	Prairie Crabapple
Morus rubra			Yes / Yes / Yes	Red Mulberry
Nyssa sylvatica			Yes / Yes / Yes	Black Tupelo
		Picea glauca	Yes / No / No	White Spruce
Picea glauca densata			No	BlackHills White Spruce
Picea pungens			No	Colorado Spruce
Pinus banksiana			Yes / No / No	Jack Pine
Pinus flexilis			No	Limber Pine
	Pinus ponderosa		No	Pondersoa Pine
		Pinus resinosa	Yes / No / No	Red Pine
Pinus rigida			Yes / No / No	Pitch Pine
		Pinus strobus	Yes / Yes / Yes	Eastern White Pine
Populus deltoides			Yes / Yes / Yes	Eastern Poplar
	Populus grandidentata		Yes / Yes / Yes	Big Tooth Aspen

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	Populus tremuloides		Yes / Yes / Yes	Quaking Aspen
Prunus americana			Yes / Yes / Yes	American Plum
Prunus pensylvanica			Yes / Yes / Yes	Pin Cherry
Prunus serotina			Yes / Yes / Yes	Black Cherry
Prunus virginiana			Yes / Yes / Yes	Common Chokecherry
	Pseudotsuga taxifolia		No	Common Douglas Fir
Ptelea trifoliata			Yes / No / Yes	Common Hoptree
Quercus alba			Yes / Yes / Yes	White Oak
Quercus borealis			Yes / Yes / Yes	Northern Red Oak
Quercus macrocarpa			Yes / Yes / Yes	Bur Oak
Quercus marilandica			No	Blackjack Oak
Rhus copallina			Yes / No / No	Flameleaf Sumac
Rhus glabra			Yes / Yes / No	Smooth Sumac
Rhus typhina			Yes / Yes / Yes	Staghorn Sumac
Robinia pseudoacacia			No (invasive species)	Black Locust
Salix amygdaloides			No	Peachleaf Willow
Salix bebbiana			Yes / Yes / Yes	Bebb Willow
Salix discolor			Yes / Yes / Yes	Pussy Willow
	Salix nigra		Yes / Yes / Yes	Black Willow
	Sorbus decora		Yes / No / No	Showy Mountainash
	Thuja occidentalis		Yes / Yes / Yes	Eastern Arborvitae
		Tilia americana	Yes / Yes / Yes	American Linden
		Tsuga canadensis	Yes / Yes / Yes	Canada Hemlock
	Ulnus americana		Yes / Yes / Yes	American Elm
		Viburnum lentago	Yes / Yes / Yes	Nannyberry Viburnum
		Viburnum prunifolium	No	Blackhaw Viburnum
		Viburnum rufidulum	No	Rusty Blackhaw Viburnum

Salt Tolerance: The extensive use of deicing salts in urban environments has created a synthetic saline environment. The salts are deposited by aerial drift on dormant buds and twigs of deciduous trees and twigs, buds, and foliage evergreen species. **Sensitive** = extensive or complete twig dieback and needle browning; plants eventually die. **Intermediate** = moderate dieback and needle browning, and inhibition of flowering on deciduous plants. **Resistant** = minimal or no twig dieback or needle browning; minimal or no dieback and inhibition of flowering deciduous plants.

Native Street Trees - By Mature Size - Tolerant of Abnormal Salt Levels

Large – 75 feet	Medium – 50-75 feet	Small – Under 50 feet	Conifers for Highway Medians, Special Areas	Notes Wild Ones Niagara Falls
<i>Celtis occidentalis</i> Hackberry				
<i>Fraxinus Americana</i> American Ash				Plant seedless male cvs
<i>Gymnocladus dioicus</i> Kentucky coffee tree				Plant seedless males
<i>Liquidambar styracifula</i> , Sweet gum				Plant fruitless cvs
<i>Quercus bicolor</i> Swamp white oak				
<i>Quercus rubra</i> Red oak				Tree grates recommended
<i>Quercus shumardii</i> Shumard oak				
<i>Ulnus Americana</i> American elm				Plant disease resitant cvs
	<i>Betula lenta</i> Sweet birch			Tree grates recommended
	<i>Betula nigra</i> , River birch			
	<i>Betula populifolia</i> Paperbark birch			Requires good drainage
	<i>Dispyros virginiana</i> Persimmon			Males bear no fruit
	<i>Fraxinus nigra</i> Black Ash			Plant seedless males

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	Fraxinum pennsylvanica Green Ash			Plant seedless male cvs
	Gleditsia triacanthos Thornless honey locust			Look for thornless male cvs
	Larix laricina American Larch			Deciduous conifer
	Nyssa sylvatica Tupelo			
	Prunus serotia Black cherry			
	Quercus palustis Pin oak			
		Crateagus virdis 'Winter King', Green hawthorn		Bright red clusters of berries remain on tree until winter, or until birds eat them
		Morus rubra, Red mulberry		Male beas no fruit
		Ostrya virginiana Hop hornbeam		Tree grates recommended
		Oxydendron arborea Sourwood		Tree grates recommended
		Prunus pensylvanicus Pin Cherry		Tree grates recommended
		Prunus virginiana Chokecherry		
		Prunus viginiana 'Schubert's Red, Purple-leaf chokecherry		

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		Ptelea tifoliata Common hoptree		35' maximum
		Qyercus imbricaria, Shingle oak		
		Sorbus decora Showy mountain ash		Bright red clusters of berries remain on tree until winter, or until birds eat them
			Chamaecyparis thyoides Atlantic white cedar	
			Juniperus virginiana Eastern Red cedar	
			Thuja accidnetalis Arborvitae	