

A Landowners Guide to Native Woody Species of Southcentral Ontario

Species Information Table

Other Notes:

ref - generally known to be suited for open site reforestation efforts

Ontario's Endangered Species Act Listings

EXP - Extirpated END - Endangered THR - Threatened SC - of special concern
(updated September 2010)

Shade Tolerance

- 1 = very tolerant
- 2 = tolerant
- 3 = mid-tolerant
- 4 = intermediate
- 5 = intolerant
- 6 = very intolerant

Drainage:

- X = most common
- o = less common
- 1 = very rapid
- 2 = rapid
- 3 = well drained
- 4 = moderately well-drained
- 5 = imperfectly drained
- 6 = poorly drained

Soils:

- Sand - light, coarse soil
- Sandy Loam
- Loam
- Clay Loam
- Clay - heavy, fine soil
- O = Organic = muck, peat

Spp Type	notes	SPECIES		Growth Habit	Mature Size in metres	Shade tolerance 1= very tolerant to 6= very intolerant						Drainage 1 = very rapid to 7 = very poor							Soils					Organic	Shallow	
						coarse/light		to fine/heavy			Sand	S-Loam	Loam	Cl-Loam	Clay											
						Sand	S-Loam	Loam	Cl-Loam	Clay																
		Common Name	Scientific Name			1	2	3	4	5	6	1	2	3	4	5	6	7	Sand	S-Loam	Loam	Cl-Loam	Clay	Organic	Shallow	
Evergreen trees	ref	Balsam Fir	Abies balsamea	tree	25 m	■				■		X	X	X	X	X	X	X								
	ref	Eastern Red Cedar	Juniperus virginiana	tree	10 m					■			X	X	X	X									S	
		Black Spruce	Picea mariana	tree	20 m		■											o	X						O	
		Red Spruce	Picea rubens	tree	25 m	■	■					X	X	X	X										O	S
	ref	White Spruce	Picea glauca	tree	25 m		■	■	■			X	X	X	X	X	X									S
	ref	Eastern White Pine	Pinus strobus	tree	30 m			■	■			X	X	X	o	o	o								O	S
	ref	Jack Pine	Pinus banksiana	tree	20 m					■		X	X	X											S	
	ref	Pitch Pine	Pinus rigida	tree	20 m						■	X	X	X											S	
	ref	Red Pine	Pinus resinosa	tree	25 m						■	X	X	X	X											
	ref	Eastern White Cedar	Thuja occidentalis	tree	15 - 25 m	■						X	X	X	X	X	X	X						O	S	
	Eastern Hemlock	Tsuga canadensis	tree	30 m	■							X	X	X	X	X								S		
Deciduous trees		Black Maple	Acer saccharum spp nigrum	tree	35 m	■						X	X	o	o											
		Manitoba Maple	Acer negundo	tree	20 m		■	■	■			X	X	X	X	X								O		
	ref	Red Maple	Acer rubrum	tree	25 m		■	■	■			o	o	o	X	X	X	X						O		
	ref	Silver Maple	Acer saccharinum	tree	35 m		■	■	■						X	X	X							O		
		Sugar Maple	Acer saccharum	tree	35 m	■						X	X	o	o											
		Ohio Buckeye	Aesculus glabra	tree	15 m		■	■	■	■		o	o	X	X	X										
	END	Cherry Birch	Betula lenta	tree	20 m					■		X	X	X	X	X									S	
		Grey Birch	Betula populifolia	tree	12 m					■		X	X	X	X	X										
		Mountain Paper Birch	Betula cordifolia	tree	25 m						■	X	X	X	X	X										
		White Birch	Betula papyrifera	tree	25 m						■	X	X	X	X	X								O	S	
		Yellow Birch	Betula allegheniensis	tree	25 m			■	■			X	X	X	X	X										
		Blue Beech	Carpinus caroliniana	tree	8 m	■						X	X	X	X									O		
		Big Shellbark Hickory	Carya lacinosa	tree	30 m	■								X	X	X										
	ref	Bitternut Hickory	Carya cordiformis	tree	25 m			■	■	■		o	X	o	o										S	
		Pignut (Red) Hickory	Carya glabra	tree	20 m			■	■	■		X	X	X	X	X										
	ref	Shagbark Hickory	Carya ovata	tree	25 m			■	■			o	X	X	X	o									S	
END	American Chestnut	Castanea dentata	tree	35 m		■					X	o	o													
ref	Hackberry	Celtis occidentalis	tree	15 m			■	■			X	X	X	X	X									S		
	Dotted Hawthorn	Craetagus punctata	tree	8-10 m					?		X	X												S		

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						coarse/light		to fine/heavy			Sand	S-Loam	Loam	Cl-Loam	Clay											
						1	2	3	4	5						6	1	2	3	4	5	6	7			
Common Name		Scientific Name				1	2	3	4	5	6	1	2	3	4	5	6	7								
		American Beech	Fagus grandifolia	tree	25 m	■								o	X	o									O	
ref		Black Ash	Fraxinus nigra	tree	20 m										o	o	X	X							O	
SC		Blue Ash	Fraxinus quadrangulata	tree	20 m		■	■	■						X	X	X	X								S
		Pumpkin Ash	Fraxinus profunda	tree	30 m			■	■																O	
ref		Red (green) Ash	Fraxinus pennsylvanica	tree	25 m		■							X	X	X	X	X								
ref		White Ash	Fraxinus americana	tree	30 m			■	■					X	X	X	X									
		Honey Locust	Gleditsia triacanthos	tree	30 m									X	X	X	X									
THR		Kentucky Coffeetree	Gymnocladus dioicus	tree	25 m										X	X	X								S	
ref		Black Walnut	Juglans nigra	tree	30 m									o	X	X										
END		Butternut	Juglans cinerea	tree	25 m									X	X	X										
ref		Tamarack	Larix laricina	tree	25m									X	X	X	X	X							O	
ref		Tulip Tree	Liriodendron tulipifera	tree	35 m									o	o	X										
END		Cucumber Tree	Magnolia acuminata	tree	25 m			■	■					o	X	X	o									
END		Red Mulberry	Morus rubra	tree	9 m		■								X	o	o								O	
		Black Gum	Nyssa sylvatica	tree	20 m		■							o	X	X	o									
		Ironwood	Ostrya virginiana	tree	12 m		■							X	X	o	o									S
ref		Sycamore	Platanus occidentalis	tree	35 m			■	■						X	X	o									
		Balsam Poplar	Populus balsamifera	tree	25 m									X	X	X	o	o	o						O	
ref		Eastern Cottonwood	Populus deltoides	tree	30 m										X	X	X								O	
		Largetooth Aspen	Populus grandidentata	tree	20 m									X	X	o	o	o								
		Swamp Cottonwood	Populus heterophylla	tree	25 m											X	X	X							O	
ref		Trembling Aspen	Populus tremuloides	tree	25 m									o	o	X	X	o								S
ref		Black Cherry	Prunus serotina	tree	22 m									o	X	o	o									
ref		Black Oak	Quercus velutina	tree	20 m			■	■					X	X	X	X									
ref		Bur Oak	Quercus macrocarpa	tree	15 m																					S
ref		Chinquapin Oak	Quercus muhlenbergii	tree	30 m			■	■	■				o	o	X	X	o								S
ref		Northern Pin Oak	Quercus ellipsoidalis	tree	20 m									X	X	X										
ref		Pin Oak	Quercus palustris	tree	20 m									X	X	X	X	X								
ref		Red Oak	Quercus rubra	tree	25 m			■	■					o	o	o	X	X								S
SC		Shumard Oak	Quercus shumardii	tree	40 m									o	X	X	o									
ref		Swamp White Oak	Quercus bicolor	tree	22 m			■	■						X	o	o	o							O	
ref		White Oak	Quercus alba	tree	35 m			■	■					o	X	X	X	X								S
ref		Sassafras	Sassafras albidum	tree	20 m									o	o	X										
		Basswood	Tilia americana	tree	35 m			■						o	X	o										
		Rock Elm	Ulmus thomasii	tree	25 m				■					o	X	X	X	o								S
		Slippery (Red) Elm	Ulmus rubra	tree	25 m		■		■					X	X	X	X	o	o							
		White Elm	Ulmus americana	tree	35 m		■	■	■					o	o	o	X	X	X	o					O	S

Deciduous Trees continued ...

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						1	2	3	4	5						6	1	2	3	4	5	6	7		
Common Name		Scientific Name				1	2	3	4	5	6	1	2	3	4	5	6	7							
Ev. shrubs		Common Juniper	Juniperus communis	low shrub	<1.5 m						■	o	X	X	X	o									
		Creeping Juniper	Juniperus horizontalis	prostrate shrub	<30 cm						■	o	X	X	X	o								S	
		American Yew	Taxus canadensis	spreading shrub	<2 m	■								X	X	X	X								
Deciduous shrubs		Mountain Maple	Acer spicatum	erect shrub	3-5 m		■						o	o	X	X	X								
		Striped Maple	Acer pennsylvanicum	large shrub or small tree	10 m	■							X	X	X	X									
		Green alder	Alnus viridus	erect shrub	>=3 m								X	X	X	X	X							S	
		Speckled alder	Alnus incana	erect shrub	<4 m									o	o	o	o	X						O	
		Serviceberry	Amelanchier stolonifera	erect shrub	0.3 - 2 m		■							X	X	X	X							O	
		Serviceberry (Mountain)	Amelanchier bartramiana	shrub	2 m		■							X	X	X	X							O	
		Serviceberry (roundleaf)	Amelanchier sanguinea	low shrub	1-3 (10)		■							X	X	X	X							O	
		Serviceberry (Juneberry)	Amelanchier arborea	large shrub or small tree	10 - 12m		■					X	X	X	X										
		Serviceberry (Juneberry)	Amelanchier humilis	erect shrub	.3-1.2 m		■							X	X	X	X							O	
		Serviceberry (Smooth)	Amelanchier laevis	erect shrub	<=10 m		■					X	X	X	X										
		Chokeberry	Aronia melanocarpa	low shrub	<2.5 m							X	X	X	X	X	X							O S	
		PawPaw	Asimina triloba	large shrub or small tree	7.5 - 10m	■							X	X	X	X									
		Dwarf Birch	Betula pumila var. glandulifera	erect shrub	<2 m					?								X						O S	
	THR		Dwarf Hackberry	Celtis tenuifolia	large shrub or small tree	1-4 m					■		X	X	X	X	X							S	
			Buttonbush	Cephalanthus occidentalis	spreading shrub	3 m											X	X							
			Leatherleaf	Chamaedaphne calyculata	low shrub	1 m											X	X						O	
			Alternate-leaf Dogwood	Cornus alternifolia	shrub	4-6 m								X	X	X	X	X							
	END		Eastern Flowering Dogwood	Cornus florida	erect shrub	3-4 m	■						X	X	X	X								O	
			Gray dogwood	Cornus racemosa	erect shrub	2.5 m							X	X	X	X	X							S	
			Red-osier dogwood	Cornus stolonifera	shrub	2-3 m							X	X	X	X	X	X						O S	
			Rough-leaved dogwood	Cornus drummondii	erect shrub	3-4 m				■	■		X	X	X	X	X							O	
			Round-leaved dogwood	Cornus rugosa	erect shrub	3 m		■	■	■			X	X	X	X								S	
			Silky dogwood	Cornus amomum	erect shrub	3 m																		O	
		Beaked Hazel	Corylus cornuta	shrub	3-4 m							X	X	X									O S		
		Hazelnut	Corylus americana	low shrub	2-3 m							X	X	X									S		
		Cockspur Hawthorn	Craetagus crus-galli	large shrub or small tree	6-10m					?	X	X	X										S		
		Downy Hawthorn	Craetagus mollis	large shrub or small tree	8-10 m					?	X	X	X	X	X										
		Fanleaf Hawthorn	Craetagus flabellata	large shrub or small tree	5-6 m					■	X	X													
		Fireberry Hawthorn	Craetagus chrysocarpa	large shrub or small tree	6 m					■	X	X	o	o	o										

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						1	2	3	4	5	6						1	2	3	4	5	6			7
Common Name		Scientific Name																							
		Fleshy Hawthorn	<i>Craetagus succulentata</i>	large shrub or small tree	6-8 m					■					X	X	o	o	o						
		Pear Hawthorn	<i>Craetagus calpodendron</i>	large shrub or small tree	6-8 m					?					X	X									
		Scarlet Hawthorn	<i>Craetagus coccinea</i>	shrub	10 m					?					X	X									
		Western Hawthorn	<i>Craetagus douglasii</i>	large shrub or small tree	>10m					■					X	X	o	o	o						
		Bush Honeysuckle	<i>Diervilla lonicera</i>	low shrub	< 1 m			■							X	X	X								
		Leatherwood	<i>Dirca palustris</i>	low shrub	<2 m			■							X	X	X								
		Burning-bush Euonymus	<i>Euonymus atropurpurea</i>	erect shrub	4.5-6 m			?							X	X	X	X							
		Witch-hazel	<i>Hamamelis virginiana</i>	large shrub or small tree	4.5-6 m					?					X	X									
		Winterberry	<i>Ilex verticillata</i>	erect shrub	3-4 m					?								X	X						O
		Spicebush	<i>Lindera benzoin</i>	spreading shrub	<=3 m			■							X	X	X	X	X						
		Fly Honeysuckle	<i>Lonicera canadensis</i>	erect shrub	1.5 m			■							X	X	X								
		Glaucous Honeysuckle	<i>Lonicera dioica</i>	shrub or woody vine	>3 m										X	X	X								
		Mountain Fly Honeysuckle	<i>Lonicera villosa</i>	low shrub	< 1 m					■	■				X	X	X	X	X	X					O
		Swamp Fly Honeysuckle	<i>Lonicera oblongifolia</i>	erect shrub	1-1.5 m					■	■				X	X	X	X							
		Wild Crab Apple	<i>Malus coronaria</i>	large shrub or small tree	10 m					?	?				X	X	X								
		Mountain holly	<i>Nemopanthus mucronata</i>	erect shrub	3 m					?	?							X	X						O
		Ninebark	<i>Physocarpus opulifolius</i>	spreading shrub	2-3 m					?	?				X	X	X	X	X						S
		Shrubby cinquefoil	<i>Potentilla fruticosa</i>	low shrub	< 1 m					?					X	X	X	X	X	X					S
		Three toothed cinquefoil	<i>Potentilla tridentata</i>	prostrate herb	5 -20 cm					?	?				X	X	X								S
		Canada plum	<i>Prunus nigra</i>	large shrub or small tree	7-10 m					?	?				X	X	X	X	X						
		Chokecherry	<i>Prunus virginiana</i>	large shrub or small tree	~3 m (10 m)			■							X	X	X	X	X						
		Pin Cherry	<i>Prunus pennsylvanica</i>	large shrub or small tree	12 m					■					X	X	X	X	X						
		Sandcherry	<i>Prunus pumila</i>	prostrate or low shrub	2 m					■					X	X	X	X	X	X				O	S
		Wild plum	<i>Prunus americana</i>	large shrub or small tree	8-10 m					?	?				X	X	X	X	X						
THR		Common Hoptree	<i>Ptelea trifoliata</i>	large shrub or small tree	5 m +					■					X	o	o								S
		Dwarf Chinquapin Oak	<i>Quercus prinoides</i>	large shrub or small tree	3 m					■					X	X									
		Alder-leaved buckthorn	<i>Rhamnus alnifolia</i>	shrub	< 1 m			?	?	?							X	X	X						O

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						1	2	3	4	5						6	1	2	3	4	5	6	7			
Common Name		Scientific Name				1	2	3	4	5	6	1	2	3	4	5	6	7								
		Fragrant sumac	Rhus aromatica	low shrub	<1.5 m					■		X	X	X												S
		Poison Sumac	Rhus vernix	low shrub	3-5 m					■					X	X	X									O
		Shining Sumac	Rhus copallina	low shrub	0.9 - 1.2 m					■		X	X													
		Smooth Sumac	Rhus glabra	erect shrub	3m					■		X	X													
		Staghorn Sumac	Rhus typhina	large shrub or small tree	6 m +					■		X	X	X												
		Pasture rose	Rosa carolina	low shrub	< 1 m					?		X	X													
		Prairie rose	Rosa setigera	shrub	1-3 m					?		X	X	X	X	X										
		Prickly wild rose	Rosa acicularis	low shrub	< 1 m					?		X	X	X	X	X										S
		Smooth wild rose	Rosa blanda	low shrub	< 1 m					?		X	X	X	X											
		Swamp rose	Rosa palustris	shrub	2 m +					?							X	X								O
		Sweetbrier	Rosa eglanteria	shrub	2 m +					?		X	X	X	X											
		Autumn Willow	Salix serissima	shrub	2-4 m					■		X	X	X	X	X	X									S
		Balsam Willow	Salix pyrifolia	large shrub or small tree	6 m					■				X	X	X	X									O
		Bebb's Willow	Salix bebbiana	large shrub or small tree	8m					■		X	X	X	X	X	X									O
		Black Willow	Salix nigra	large shrub or small tree	3 - 20 m					■				X	X	X										O
		Blue-leaved Willow	Salix myricoides	erect shrub	1-3 m					■		X	X	X	X	X										
		Bog Willow	Salix pedicellaris	low shrub	<1 m					■							X									O
		Heart-leaved Willow	Salix cordata	spreading shrub	1-3 m					■				X	X	X										
		Peachleaf Willow	Salix amygdaloides	large shrub or small tree	10-20 m					■				X	X	X										
		Pussy Willow	Salix discolor	large shrub or small tree	2-6 m					■				X	X	X										
		Sage-leaved Willow	Salix candida	shrub	<2-3 m					■						X	X									O
		Sandbar Willow	Salix exigua	spreading shrub	>3 m					■				X	X	X										
		Shining Willow	Salix lucida	large shrub or small tree	3-6; 10 m					■				X	X	X	X									O
		Slender Willow	Salix petiolaris	low shrub	1-3 m					■		X	X	X	X	X										
		Upland Willow	Salix humilis	low shrub	1-3 m					■		X	X	X	X	X	X									O
		Willow	Salix eriocephala	shrub	3-4 m					■				X	X	X										
		Willow	Salix pellita	shrub	4 m					■				X	X	X										
		American Elderberry	Sambucus canadensis	erect shrub	1-3 m					■	■	X	X	X	o	o										
		Red Elderberry	Sambucus racemosa	erect shrub	4 m			■				X	X	X												O S
		Buffalo berry	Sheperdia canadensis	low shrub	2 m					?		X	X	X	X											S
		American Mountain Ash	Sorbus americana	large shrub or small tree	3-10 m					■		X	X	X	X	X	X									O S
		Showy Mountain Ash	Sorbus decora	large shrub or small tree	10 m					■		X	X	X	X	X	X									O S

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Common Name		Scientific Name																							
		Broad-leaved meadowsweet	<i>Spirea latifolia</i>	shrub	1.5 m																				
		Narrow-leaved meadowsweet	<i>Spirea alba</i>	erect shrub	1.5 m					?					X	X	X	X	X						
Deciduous shrubs cont'd		Steeple-bush	<i>Spirea tomentosa</i>	erect shrub	1 m +					?					X	X	X	X	X					S	
		Bladdernut	<i>Staphylea trifolia</i>	erect shrub	5 m					?					X	X	X	X	X						S
		Snowberry	<i>Symphiocarpus albus</i>	spreading shrub	< 1 m					?	?				X	X									S
		High bush blueberry	<i>Vaccinium corymbosum</i>	shrub	2-3 m					?					X	X	X	X	X						
		Downy arrow-wood	<i>Viburnum rafinesquianum</i>	spreading shrub	<1.5m					■					X	X	X	X	X						
	ref	High-bush cranberry	<i>Viburnum trilobum</i>	erect shrub	3-4 m					■					X	X	X	X	X						O
		Hobble-bush	<i>Viburnum alnifolium</i>	spreading shrub	<2 m					■					X	X	X	X	X						
		Nannyberry	<i>Viburnum lentago</i>	large shrub or small tree	6 m +					■					X	X	X	X	X						O
		Southern arrow-wood	<i>Viburnum recognitum</i>	erect shrub	3 m +					■					X	X	X	X	X						
		Wild raisin	<i>Viburnum cassinoides</i>	erect shrub	4-5 m					■					X	X	X	X	X						
		Prickly Ash	<i>Zanthoxylum americanum</i>	erect spreading shrub	3 m					■	■				X	X	X	X	X						
Vines		Trumpet creeper	<i>Campsis radicans</i>	vine	5 m					?					X	X	X	X	X						
		Hairy Honeysuckle	<i>Lonicera hirsuta</i>	vine	3 m		■	■	■						o	o	o	o	X	X	X				S
		Virginia Creeper	<i>Parthenocissus vitacea</i>	vine	10 m +					?					X	X	X								S
		Poison Ivy	<i>Rhus radicans</i>	vine or low shrub	15 m; 1 m					■					X	X	X	X							S
		Fox grape	<i>Vitis labrusca</i>	vine	6 m +					■					X	X	X	X	X						
		Riverbank grape	<i>Vitis riparia</i>	vine	5 m +					■					X	X	X	X	X						
		Summer grape	<i>Vitis aestivalis</i>	vine	5-10 m					■					X	X	X	X	X						