

List of Trees and Shrubs in Newfoundland

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Below are about 24 native and 180 exotic species of trees cultivated on the Avalon Peninsula that have been cultivated in Newfoundland. Many are common. But some are rare, having been raised by the author from seeds and cuttings. Therefore, it is by no means a complete list because new species, varieties, and cultivars are constantly being added by the retail sector. For example, the author has a collection of about 200 willows clones which are allowed to grow to 4-5 metres tall before they are coppiced. There are also many poplar clones which, like the author's clonal collection of willows, are known only by their clone numbers and have no formal scientific name as such.

A few of the species of native trees can be separated into geographic or ecotypic variations. For example, there are at least six races of birch. The native birch is normally referred to as mountain paper birch which is taxonomically considered to be a hybrid *Betula.x cordifolia*; i.e., *B. papyrifera* (paper birch) x *B.lutea* (yellow birch). However, the paper birch is so different from the true white paper birch on the mainland of Canada, it makes one wonder if true white birch (taxonomically speaking) actually exists on the island. In fact, the coastal races of 'paper birch' bear little resemblance to the classic paper birch. Also, in the Waterford Valley in particular European white birch has naturally bred with the 'mountain paper birch' to produce *B. pendula x cordifolia* - a most elegant hybrid birch - and many intermediate forms.

Cultivated Native Species

PINACEA

- Abies balsamea* Balsam fir
- A. x phanerolepis* Bracted balsam fir
- A. phanerolepis var coerulea* Blue Bracted balsam fir
- Larix laricina* Tamarack, Hacmatac, Juniper
- L.l. forma penduloides* Slightly weeping tamarack
- Picea glauca* White spruce
- Picea mariana* Black spruce
- Pinus resinosa* Red pine
- Pinus strobus* White pine

SALICEAE

- Populus balsamifera* Balsam poplar, tacamahac
- P. b. var, michauxii*
- P. b. var subcordata*
- P.. tremuloides* Aspen, aps
- P.t. forma reniformis*
- Salix phylicifolia* Tea-leaved willow

CORYLACEAE

- Betula x cordifolia* Mountain paper birch
- B. pendula x cordifolia* 'Waterford Valley' birch
- Betula lutea* Yellow birch
- B. l. var. microlepis*
- B. papyrifera* Paper birch, white birch
- Corylus cornuta* Hazelnut

<i>Acer rubrum</i> Red maple	ACERACEA
<i>Fraxinus nigra</i> Black ash	OLEACEAE
<i>Prunus pennsylvanica</i> Pin cherry <i>P. virginianum</i> Choke cherry	ROSACEAE

Exotic Species

<i>Metasequoia glyptostoboides</i> Dawn redwood	METASEQUOIA
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<i>Abies concolor</i> Concolor fir <i>A. sachalinensis</i> Sachaline Island fir <i>A. veitchii</i> Veitch's fir <i>C. lawsoniana</i> Port Orford cypress <i>Laric decidua</i> European larch <i>L. x eurolepis</i> Dunkeld hybrid larch <i>L. gmelini</i> Gmelin's larch <i>L.g. var principis-rupprechtii</i> Prince Rupprecht's larch <i>L. kaempferi</i> Japanese larch <i>L. russica</i> Siberian larch <i>L. sukacsewi</i> White Russia larch <i>Picea abies</i> Norway spruce <i>P.a. forma pendula</i> Weeping Norway spruce <i>P. engelmannii</i> Engelman spruce <i>P. jezoensis</i> Jezoens spruce <i>P. koyami</i> Koyami spruce <i>P. omorika</i> Omorika spruce <i>P. orientalis</i> Oriental spruce <i>P. pungens</i> Colorado Blue spruce <i>P.p. var. caerulea</i> <i>P.p. kosteriana</i> <i>P. schrenkiana</i> Schrenkian's spruce <i>Pinus albicaulis</i> Whitebark pine <i>P. banksiana</i> Jack pine <i>P. bungeana</i> Lacebark pine <i>P. Cembra</i> Swiss stone pine <i>P. contorta</i> Lodgepole or shore pine <i>P. koraiensis</i> Korean pine <i>P.k var. latifolia</i> <i>P. nigra</i> Austrian pine <i>P.n. var austriaca</i> <i>P.n. calabrica</i> Calabrian	PINACEAE
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P.n. var carmanica Carman
P.n. var. cebennensis Cebennens
P. nigra var italica Italian
P. ponderosa Ponderosa pine
P. sibirica Siberian pine
P. sylvestris Scots pine
P.s. var. lapponica Lapland pine
P.s., var. scotica Caledonian pine
P.s. var. mongolica Mongolian Pine
Pseudotsuga menziesii Douglas fir
Thuja occidentalis Eastern white cedar
Thuja plicata Western red cedar
Tsuga canadensis Eastern hemlock
Tsuga heterophylla Western hemlock

SALICACEAE

Populus alba Silver poplar (silver maple)
P.a. x P. pyramidalis
P.a. x P. sieboldii
P.a. x P. tremuloides
P. x barolinensis
P. x canadensis
P. canescens
P.c. x P. alba x P.
grandidentata
P. deltoides Eastern cottonwood
P. x Euroamericana
P.e. cv. 'Baden'
P.e. cv. 'Canada Blanc'
P.e. cv. 'Gelvica'
P.e. cv. 'Heidemji'
P.e. cv. 'Italiana'
P.e. cv. 'Ostia'
P.e. cv. Regenerata'
P.e. cv. Robusta'
P. x gileadensis
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P. grandidentata Big-tooth aspen
P.g. x P. alba
P. x griffithi
P. x jackii
P. n x P. deltoides
P. trichocarpa Black cottonwood
Salix alba White willow
S. babylonica Weeping willow
S. daphnoides Blue-stem willow

S. x elegantissima basket willow
S. fragilis Crack willow
S. nigra Black willow
S. pentandra Bay leaf willow

CORYLACEAE

Betula lenta Sweet birch
B. maximowicsiana
B. pendula European white birch
B.p. var gracilis
B.p. forma youngii
B. populifolia Blue birch
B. x cordifolia x B. pendula

FAGACEAE

Fagus grandifolia American beech
F. sylvatica European beech
F.s. var. pendula Weeping beech
F.s. var purpurea Copper beech
Castanea dentata Sweet chestnut
Quercus alba White oak
Q. borealis Northern red oak
Q. b. var. maxima
Q. coccinea Scarlet oak
Q. garryana Oregon white oak
Q. macrocarpa Bur oak
Q. palustris Pin oak
Q. robur English oak

ULMACEA

Ulmus americana American elm
U. glabra Wych elm
U. laevis Russian elm
U. parvifolia Chinese elm
U. procera English elm
U. pumila var. androssowi Siberian elm
Zelkova schneideriana Zelkova

ROSACEA

Crataegus monogyna Hawthorn
C. oxyacantha English hawthorn
C. c. var. pauli Scarlet English hawthorn
C.c. var. rosea Rose English hawthorn
Malus arnoldiana Arnold's flowering crab apple
M. x atrosanguinea
M. baccata Siberian crab apple

M.b. var. mandshurica
M. coronaria Wild sweet crab apple
M. c. forma charlottae
M. domestica
M. floribunda Showy crab apple
M. halleriana Hall's crab apple
M.h. var. parkmanii
M. x pururea
M. x p cv. 'profusion'
M. spectabilis
M. s. var. riversii
Prunus avium Sweet cherry
P. cerasifera Cherry plum
P. padus European bird cherry
Sorbus americana American mountain ash
S. aria Common whitebeam
S. aucuparia Rowan , European mountain ash
S. domestica Service tree
S. x hybrida Finnish whitebeam
S. x intermedia Swedish whitebeam

LEGUMINOSEAE

Gleditsia triacanthos Honey locust
Laburnum alpinum Scotch laburnum
L.a. var. pendula
L.a. var. sessilifolium
L. x waterii
L. anagyroides Golden chain, bean tree
Robinia pseudoacacia Black locust
Sophora japonica Japanese pagoda tree

ANACARDACEAE

Rhus typhina Staghorn sumac
R.t. var. laciniata

ACERACEAE

Acer campestre Hedge maple
A. davidii David's maple
A. ginnala Amur maple
A. japonicum Full moon maple
A. mono Painted maple
A. negundo Manitoba maple
A. palmatum Japanese maple
A.p. var. atropurpureum Purple Japanese maple
A.p. forma ornatum
A.p. forma sanguineum

A. pennsylvanicum Striped maple
A. platanoides Norway maple
A.p. var. rubrum Crimson king
A.p. var. schwedleri Schwedler's maple
A.p var. stollii Large-leaved Norway maple
A. pseudoplatanus Sycamore
A.p. var variegatum Variegated sycamore
A.p. var. drummondii Harlequin maple
A. saccharinum Silver maple
A. saccharum Sugar maple
A. tataricum Tatarian maple

HIPPOCASTANEAE

Aesculus hippocastanum Horse chestnut

TILIACEAE

Tilia americana American bass
T.d. forma dentata
T. cordata Small-leaved linden
T. c. Cv. 'Greenspire'
T. x europaea Lime
T x e var. pallida
T. x e forma pendula
T. platyphyllos Large-leaved linden

OLEACEAE

Fraxinus american White ash
F. a. var. juglandifolia Walnut-leaved American ash
F. excelsior European ash
F. pennsylvanica Green ash
F. p. var. lanceolata
Syringa chinensis Chinese lilac
Syringa vulgaris Common lilac
S.v. var alba White-flower common lilac
S.v. var. coerulea Purple flower lilac