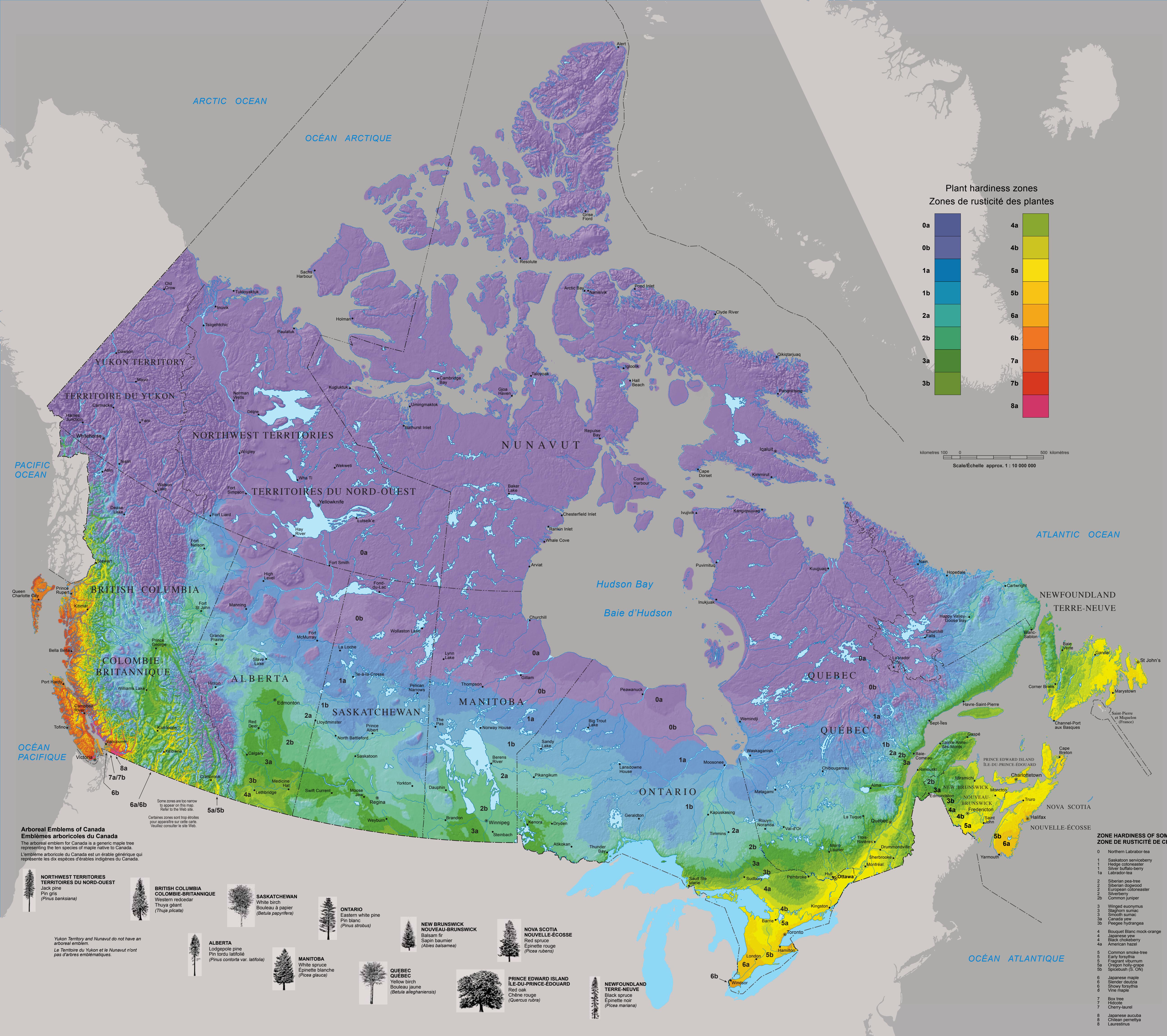


CANADA

Plant Hardiness Zones Zones de rusticité des plantes



Background
The Plant Hardiness Zones map outlines the different zones in Canada where various types of trees, shrubs and flowers will most likely survive. It is based on the average climatic conditions of each area. The first such map for North America, released by the United States Department of Agriculture in 1960, was based only on minimum winter temperatures.

In 1967, Agriculture Canada scientists created a plant hardness map for Canada using plant survival data and a wide range of climatic variables, including minimum winter temperatures, length of the frost-free period, summer rainfall, maximum temperatures, snow cover, January rainfall and maximum wind speed.

New Map
Natural Resources Canada's Canadian Forest Service scientists have now updated the plant hardness zones using the same variables and more recent climate data (1961–90). They have used modern climate mapping techniques and incorporated the effect of elevation. The new map indicates that there have been changes in the hardness zones that are generally consistent with what is known about climate change. These changes are most pronounced in western Canada. Les changements sont les plus prononcés.

Interpreting the new map
The new hardness map is divided into nine major zones: the harshest is 0 and the mildest is 8. Relatively few plants are suited to zone 0. Sub-zones (e.g., 4a or 4b, 5a or 5b) are also noted in the map legend. These sub-zones are most familiar to Canadian gardeners.

Some significant local factors, such as micro-topography, amount of shelter and subtle local variations in snow cover, are too small to be captured on the map. Year-to-year variations in weather and gardening techniques can also have a significant impact on plant survival in any particular location.

For more details and a close-up view of your local plant hardness zone, visit the GFS Products and Publications page at: http://www.nrcan-rcan.gc.ca/cfs-scf/national/what-quoi-publications_e.html or the Agriculture and Agri-Food Canada page at: <http://sis.agr.gc.ca/canscan/nsdb/climate/hardiness/intro.html>

The production of the new Plant Hardiness Zone Map was made possible through a collaborative effort by scientists at Natural Resources Canada's Canadian Forest Service, Agriculture and Agri-Food Canada and Natural Resources Canada's National Atlas of Canada.

For further information on the departments that have collaborated on this map, visit the following sites:

- Natural Resources Canada
<http://www.nrcan-rcan.gc.ca>
Canadian Forest Service
<http://www.nrcan-rcan.gc.ca/cfs-scf>
National Atlas of Canada
<http://www.atlas.gc.ca>
- Agriculture and Agri-Food Canada
<http://www.agr.gc.ca>

Pour plus d'information sur les ministères qui ont collaboré à cette carte, veuillez visiter les sites Web suivants:

- Ressources naturelles Canada
<http://www.nrcan-rcan.gc.ca>
Service canadien des forêts
<http://www.nrcan-rcan.gc.ca/cfs-scf>
Atlas national du Canada
<http://www.atlas.gc.ca>
- Agriculture et Agroalimentaire Canada
<http://www.agr.gc.ca>

ZONE HARDINESS OF SOME INDICATOR SHRUBS ZONE DE RUSTICITÉ DE CERTAINS ARBUSTES INDICATEURS		
0 Northern Labrador-tea	Ledum decumbens	Ledum decumbens
1 Saskatchewan serviceberry	Amelanchier alnifolia	Amelanchier alnifolia
Hedge cotoneaster	Cotoneaster lusitanicus	Cotoneaster lusitanicus
Silver buffaloberry	Shepherdia argentea	Shepherdia argentea
Larch	Larix laricina	Larix laricina
2 Siberian pea-tree	Caragana arborescens	Caragana arborescens
Common dogwood	Cornus alba 'Sibirica'	Cornus alba 'Sibirica'
2 Siberian	Cotoneaster laevigatus	Cotoneaster integriformis
Common juniper	Juniperus communis	Juniperus communis
(Widepread)	(Widespread)	(Widepread)
3 Winged euonymus	Euonymus alatus	Euonymus alatus
Smooth sumac	Rhus glabra	Rhus glabra
33 Canada yew	Taxus canadensis	Taxus canadensis
Common privet	Hypericum ascyron	Hypericum ascyron
4 Balsam Blanc mock-orange	Prunus 'Bouquet Blanc'	Prunus 'Bouquet Blanc'
Japanese yew	If du Japon	Taxus cuspidata
Black chokeberry	Aronia miltiorrhiza	Aronia miltiorrhiza
4a	Nothosassa (E. Canada)	Nothosassa (E. Canada)
5 Common smoke-tree	Fustet commun	Fustet commun
Early frothythia	Forsythia de Corée	Forsythia de Corée
Fragrant sumac	Viorne de Corée	Viorne de Corée
Smooth hollyhock	Mallow communis	Mallow communis
Spicebush (S. ON)	Laurier benzoin	Laurier benzoin
5 Japanese maple	Erable du Japon	Acer palmatum
6 Deutzia gracilis	Deutzie gracieuse	Deutzia gracilis
Smooth fothergilla	Fothergillea	Fothergillea
Vine maple	Erythrina crista-galli	Erythrina crista-galli
7 Box tree	Buis	Acer circinatum
Holly	Millettia Hidcote	Prunus 'Hidcote'
Cherry-laurel	Laurier-cerise	Prunus laurocerasus
8 Japanese aucuba	Aucuba du Japon	Aucuba japonica
Chinese pernettya	Pernettya mucronata	Pernettya mucronata
Laurestris	Lacifer tin	Viburnum tinus