

Urban Tree List for Metro Vancouver in a Changing Climate

The list of over 300 tree species below are from the Metro Vancouver Urban Forest Climate Adaptation Initiative's tree species selection database. These species have been assessed for their suitability to the current and projected future climate in the Metro Vancouver region. **This list is intended to be used as a guide to inform decision-making by local practitioners rather than a prescriptive planting list.** All project materials are available publicly on the Metro Vancouver website. Please visit metrovancover.org and search 'Urban Forest'.

VERY SUITABLE = species anticipated to tolerate a broad range of sites under future climate

Arbutus menziesii	Cupressus arizonica *	Koelreuteria bipinnata *	Pinus nigra	Quercus garryana
Albizia julibrissin *	Cupressus macrocarpa *	Koelreuteria paniculata *	Pinus pinea *	Quercus ilex •
Arbutus unedo	Cupressus sempervirens	Lagerstroemia x 'tuscarora' •	Pinus ponderosa	Quercus imbricaria •
Calocedrus decurrens *	Cupressus x leylandii	Maackia amurensis •	Pinus sylvestris *	Quercus macrocarpa
Catalpa speciosa *	Eucommia ulmoides	Maclura pomifera *	Pinus thunbergii *	Quercus shumardii
Cedrus deodara *	Ficus carica *	Notholithocarpus densiflorus	Pistacia chinensis	Quercus suber •
Celtis occidentalis *	Fraxinus ornus	Nyssa sinensis	Prunus dulcis •	Quercus virginiana •
Celtis sinensis •	Ginkgo biloba	Olea europaea *	Pyrus calleryana *	Rhus typhina
Cercis canadensis	Gleditsia triacanthos	Phellodendron amurense *	Pyrus pyrifolia •	Sorbus aria
Cotinus coggygria	Gymnocladus dioicus	Pinus banksiana	Quercus acutissima *	Ulmus propinqua •
Crataegus crus-galli	Juglans major •	Pinus contorta	Quercus agrifolia •	
Crataegus x lavalleyi	Juniperus chinensis	Pinus flexilis	Quercus alba	
Crataegus x mordenensis	Juniperus virginiana *	Pinus mugo	Quercus coccinea	

SUITABLE = species anticipated to tolerate all but the driest sites under future climate

Abies concolor	Catalpa bignonioides *	Liquidambar styraciflua	Prunus caroliniana	Styrax japonicus
Abies procera	Cedrus atlantica	Liriodendron tulipifera	Prunus cerasifera *	Syringa pekinensis •
Acer buergerianum •	Cercis chinensis	Magnolia grandiflora	Prunus cerasus *	Syringa vulgaris *
Acer campestre *	Cercis occidentalis •	Malus baccata *	Prunus domestica *	Taxodium distichum
Acer cappadocicum	Cercis siliquastrum	Malus domestica	Prunus emarginata	Taxus baccata
Acer grandidentatum •	Chamaecyparis obtusa	Malus floribunda *	Prunus pendula •	Taxus brevifolia
Acer griseum	Chamaecyparis pisifera	Malus pumila *	Prunus salicina	Thuja occidentalis *
Acer japonicum	Chionanthus retusus •	Malus sylvestris *	Prunus sargentii	Tilia americana
Acer miyabei	Cladrastis kentukea	Malus transitoria	Prunus serotina	Tilia cordata
Acer negundo *	Clerodendrum trichotomum	Malus tschonoskii •	Prunus serrula	Tilia platyphyllos
Acer nigrum	Cornus controversa	Malus x moerlandsii •	Prunus serrulata	Tilia tomentosa
Acer platanoides *	Cornus florida	Malus x zumi	Prunus subhirtella	Tilia x euclora
Acer pseudoplatanus *	Cornus mas	Manglietia insignis	Prunus virginiana *	Tilia x europaea
Acer rubrum *	Corylus avellana *	Morus alba *	Prunus x blireana	Trachycarpus fortunei
Acer saccharinum	Corylus colurna	Nothofagus antarctica	Prunus x yedoensis	Ulmus americana *
Acer saccharum	Crataegus douglasii	Ostrya carpinifolia	Pseudotsuga menziesii	Ulmus parvifolia *
Acer tataricum *	Crataegus grignonensis •	Ostrya virginiana	Pyrus communis *	Ulmus procera *
Acer triflorum	Crataegus phaenopyrum *	Oxydendrum arboreum	Pyrus kawakamii •	Ulmus wilsoniana
Acer x freemanii	Cryptomeria japonica *	Parrotia persica	Pyrus salicifolia	'prospector' •
Aesculus hippocastanum *	Davidia involucrata	Photinia x fraseri •	Quercus alba x robur	Ulmus x hollandica
Aesculus x carnea	Eriobotrya japonica •	Picea glauca	Quercus bicolor	xChitalpa tashkentensis
Alnus cordata *	Eucalyptus pauciflora •	Picea omorika	Quercus frainetto	Zelkova serrata
Alnus rubra	Fraxinus angustifolia	Picea pungens	Quercus lobata •	
Amelanchier canadensis	Fraxinus excelsior	Pinus parviflora	Quercus robur *	
Amelanchier laevis	Fraxinus velutina	Pinus radiata *	Quercus rubra	
Amelanchier x grandiflora	Heptacodium miconioides •	Platanus x hispanica	Rhamnus purshiana	
Araucaria araucana	Hibiscus syriacus *	Platyclusus orientalis •	Salix scouleriana	
Arbutus 'marina' •	Juglans regia	Populus alba *	Salix x sepulcralis	
Betula alleghaniensis	Laburnum anagyroides *	Populus fremontii •	Sequoiadendron giganteum	
Carpinus betulus	Laburnum x watereri *	Populus nigra *	Sophora japonica *	
Carpinus japonica	Lagerstroemia indica *	Prunus americana	Sorbus x thuringiaca	
Castanea mollissima	Ligustrum japonicum * •	Prunus armeniaca	Stewartia monadelphica	
Castanea sativa	Ligustrum lucidum * •	Prunus avium *	Stewartia pseudocamellia	

MARGINAL = species anticipated to be restricted to moist sites under future climate

Abies grandis	Carpinus caroliniana	Larix decidua	Picea abies *	Sorbus alnifolia
Acer capillipes	Carya illinoensis •	Laurus nobilis	Picea sitchensis	Sorbus americana
Acer circinatum	Cercidiphyllum japonicum	Liriodendron chinense	Pinus halepensis •	Sorbus intermedia •
Acer macrophyllum	Chamaecyparis lawsoniana *	Magnolia denudata	Pinus monticola	Styrax obassia
Acer palmatum *	Chamaecyparis nootkatensis	Magnolia 'galaxy'	Pinus strobus *	Syringa reticulata
Acer pennsylvanicum	Cornus kousa	Magnolia kobus	Platanus occidentalis	Thuja plicata
Acer truncatum	Cornus nuttallii	Magnolia sieboldii	Populus balsamifera	Thujopsis dolabrata
Aesculus flava	Cornus x nuttallii	Magnolia stellata	Populus tremuloides	Tsuga canadensis
Aesculus pavia	Cornus x rutgersensis *	Magnolia virginiana	Prunus ilicifolia •	Tsuga heterophylla
Alnus rhombifolia	Fagus grandifolia	Magnolia x kewensis	Prunus padus *	Tsuga mertensiana
Amelanchier arborea	Fagus sylvatica	Magnolia x loebneri	Prunus persica •	Ulmus davidiana
Betula jacquemontii	Fraxinus americana	Magnolia x soulangeana	Quercus palustris *	Ulmus glabra
Betula nigra	Fraxinus latifolia	Malus fusca	Quercus phellos	Umbellularia californica •
Betula papyrifera	Halesia carolina	Metasequoia	Salix babylonica	
Betula populifolia	Juglans cinerea	glyptostroboides	Salix matsudana *	
Betula utilis	Juglans nigra *	Nyssa sylvatica	Sequoia sempervirens	

* Invasive potential - capable of self-seeding so avoid planting in locations where seeds can disperse and germinate

• Trial - species is present in future analog (comparable) climates and has the potential for introduction to Metro Vancouver