

BOULEVARD, RESIDENTIAL OR NATURAL AREAS RECOMMENDED TREE LIST

This guide provides information on trees that are recommended for use within boulevards, residential, or natural areas in Prince George.

RECOMMENDED TREE LIST

The following list of tree species are recommended for use in Prince George given their suitability for the local climate and planting in locations which include:

- Boulevards or areas adjacent to roadways (B),
- Natural Areas using native or semi-native trees (N),
- Planter beds or Small Yards (P),
- Residential lots (R), or
- the Bowl Area or other Sheltered Sites (*).

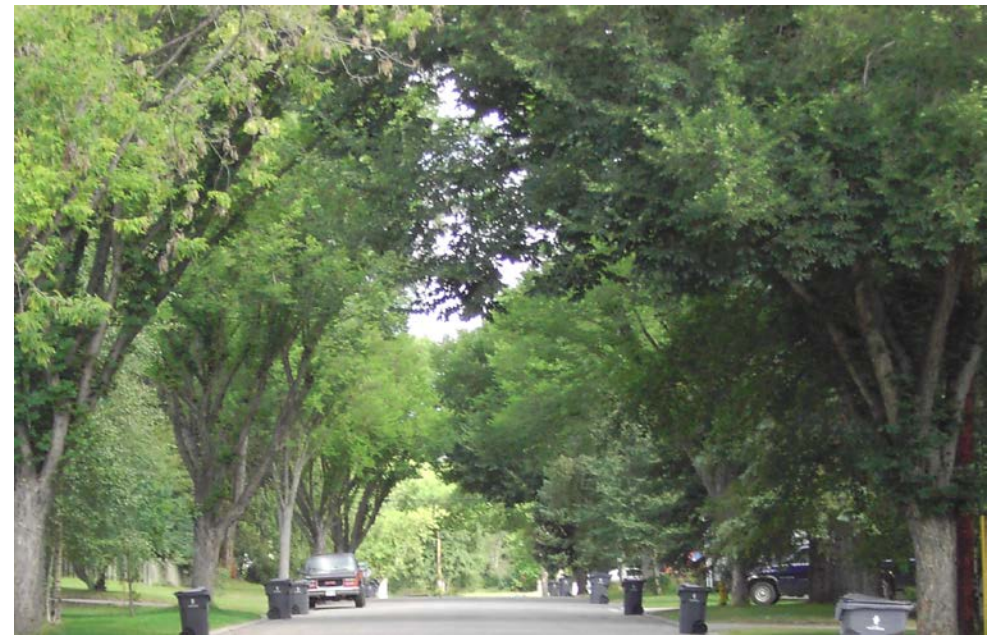
The enclosed tables provide detailed information on each tree species such as their size at maturity, leaf colour, characteristics, salt tolerance, and bear resistance.

SPECIES NOT RECOMMENDED

A list at the end of this guide identifies tree species which are not recommended for use or should be used with caution.







STREET TREES

A list of recommended street trees is also available in a separate document through the City of Prince George.



Elm trees in the Prince George Millar Addition neighbourhood.









Evergreen Trees (Coniferous)

Latin Name/ Common Name	Tree Use	Mature Height/ Width	Needle Colour	Salt Tolerance	Bear Resistance	Characteristics	Photo
Balsam Fir <i>Abies balsamea</i>	B, N, R	10-15m Ht. 3-6m W.		Low	High	<ul style="list-style-type: none"> Dense symmetrical habit and dark green colour Medium size with smooth bark, soft/flat needles Generally insect/pest free Prefers moist, well-drained soil with shelter from strong winds Not pollution tolerant 	
White Fir <i>Abies concolor</i>	B, N, R	20-25m Ht. 5-8m W.		Low	High	<ul style="list-style-type: none"> Larger fir with dense habit that is conical to columnar in shape Foliage often has a bluish tinge Prefers moist, well-drained soil More adaptable than most firs 	
Subalpine Fir <i>Abies lasiocarpa</i>	N, R	10-25m Ht. 4-10m W.		Low	High	<ul style="list-style-type: none"> Similar to a Balsam Fir (<i>Abies balsamea</i>) 	

Tree Use:

B – Boulevard N – Natural Area P – Planter/Small Yard R – Residential * Bowl Area/Sheltered Site







Evergreen Trees (Coniferous)

Latin Name/ Common Name	Tree Use	Mature Height/ Width	Needle Colour	Salt Tolerance	Bear Resistance	Characteristics	Photo
Rocky Mt. Juniper <i>Juniperus scopulorum</i> 'Cologreen' 'Gray Ice' 'Medora' 'Moonglow' 'Witchita'	P, R	4-10m Ht. 1-3m W.		Low	High	<ul style="list-style-type: none"> Nice evergreen for small areas Upright forms vary from a narrow 'Skyrocket' to the fuller 'Witchita' or 'Moonglow' Colours range from bright green to intense blue Drought tolerant once established Prefers full sun 	
Weeping Larch <i>Larix decidua</i> 'Pendula'	P, R	6m Ht. 4m W.	 	High	High	<ul style="list-style-type: none"> Unique specimen tree with strong weeping habit Soft green needles that turn bright yellow in fall and shed in winter Prefers a sunny site with moist soil 	
Siberian Larch <i>Larix siberica</i>	N, R, S	20m Ht. 15m W.	 	High	High	<ul style="list-style-type: none"> Deciduous with large pyramidal shape Soft green foliage turns yellow in fall and shed in winter Requires a sunny site with moist, well-drained soil Looks especially nice in group 	

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Evergreen Trees (Coniferous)

Latin Name/ Common Name	Tree Use	Mature Height/ Width	Needle Colour	Salt Tolerance	Bear Resistance	Characteristics	Photo
Norway Spruce <i>Picea abies</i> <i>'Pendula'</i> + others	B, P, R	25-30m Ht. 10-15m W.		Medium	High	<ul style="list-style-type: none"> • Large graceful spruce with weeping branches • Bright green foliage • Very hardy • <i>'Pendula'</i> is a small weeping form suitable as a feature tree in large beds or a planter 	
White Spruce <i>Picea glauca</i> <i>'Densata'</i> <i>'Conica'</i> <i>'Jean's Dilly'</i>	N, P, R	30m Ht. 15m W.		High	High	<ul style="list-style-type: none"> • Large native spruce with bluish green foilage • <i>'Densata'</i> Black Hill Spruce is more compact & tolerant of drier soils • <i>'Conica'</i> is very compact, with dwarf forms suited to planters & ornamental beds 	
Colorado Spruce <i>Picea pungens</i> <i>'Bakeri'</i> <i>'Fat Albert'</i> <i>'Hoopsii'</i> + others	B, N, P, R	30m Ht. 15m W.		High	High	<ul style="list-style-type: none"> • Available in many sizes & forms from columnar to weeping • Best known for vivid blue colour • More drought tolerant than other spruce • Allow room for spread & best uniform growth 	

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Latin Name/ Common Name	Tree Use	Mature Height/ Width	Needle Colour	Salt Tolerance	Bear Resistance	Characteristics	Photo
Eastern White Pine <i>Pinus strobus</i> <i>'Pendula'</i>	B, P, R	15m Ht. 7m W.		Low	High	<ul style="list-style-type: none"> • Long bluish green needles give it a soft look • Long purple cones are attractive • Requires sun and moist, well-drained soil • 'Pendula' is a smaller weeping cultivar used as a feature plant 	
Scots Pine <i>Pinus sylvestris</i>	B, N, R	15m Ht. 8m W.		Low	High	<ul style="list-style-type: none"> • Pyramidal shape when young, becoming more spreading with age • Bluish green needles & orange brown bark • Hardy and adaptable • Prefers a sunny site 	
Douglas Fir <i>Pseudotsuga menziesii</i>	N, R	20m Ht. 10m W.		Low	High	<ul style="list-style-type: none"> • Large evergreen with a conical shape • Nice dark green needles • Interesting cones • Requires moist, well-drained soil • Requires a large area 	

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Evergreen Trees (Coniferous)

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Cedar <i>Thuja occidentalis</i> 'Brandon' 'Skybound' 'Techney' + others	P, R *	2-4m Ht. 1m W.		Low	High	<ul style="list-style-type: none"> • Upright cedars • Symmetrical, conical form • Used for hedging or as a windbreak • Best in sheltered location • Requires a moist, well-drained soil 	

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Shade/Ornamental Trees (Deciduous)

Latin Name/ Common Name	Tree Use	Mature Height/ Width	Summer Leaf Colour	Fall Leaf Colour	Salt Tolerance	Bear Resistance	Characteristics	Photo
Amur Maple Acer ginnala 'Compactum' 'Embers'	P, R + Shrub Beds	2-6 m Ht. 2-5m W.			Medium	High	<ul style="list-style-type: none"> Multi-stemmed habit Can be shaped by pruning Adaptable & hardy Bright red fall colour Fits into almost any landscape 	
Norway Maple Acer platanoides 'Crimson King' 'Columnar' 'Prairie Splendor' 'Easy Street' + others	B, R, *	8-15m Ht. 5-9m W.			High	High	<ul style="list-style-type: none"> Various forms from upright to spreading Several burgundy leaved cultivars Green leaved cultivars turn bright yellow in fall Prefers moist soil, but will tolerate other soils Very few pests problems 	
Red Maple Acer rubrum 'Autumn Blaze' 'Columnare' 'Northwood' 'Red Sunset' +others	B, R	15m Ht. 6-10m W.			Low	High	<ul style="list-style-type: none"> Beautiful specimen tree Dense canopy with strong symmetrical branches Glossy green leaves turn brilliant red in fall Prefers moist acidic soil Shade tolerant when young 	

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Shade/Ornamental Trees (Deciduous)

Latin Name/ Common Name	Tree Use	Mature Height/ Width	Summer Leaf Colour	Fall Leaf Colour	Salt Tolerance	Bear Resistance	Characteristics	Photo
Sugar Maple <i>Acer saccharum</i> 'Adirondack' 'Legacy' 'Green Mt.' 'Unity' +others	B, R, *	15m Ht. 12m W.			Low	High	<ul style="list-style-type: none"> • Good upright dense, oval shape • Green leaves in summer turn orange/gold in fall • Outstanding gray bark • Not good for restricted growing areas due to canopy spread and surface roots 	
Tatarian Maple <i>Acer tataricum</i>	B, R	7-8m Ht. 8-10m W.			Low	High	<ul style="list-style-type: none"> • Small wide spreading graceful form • Similar to Amur Maple but larger • Nice specimen tree for small yard • Bright red fall colour • Adaptable & drought tolerant 	
Purple blow Maple <i>Acer truncatum</i> 'Pacific Sunset'	R, P, *	9m Ht. 8m W.			Low	High	<ul style="list-style-type: none"> • Similar to Amur Maple (<i>Acer ginnala</i>), but not as hardy • New growth is red/purple, attracts birds • Very nice fall colours • Use in sheltered sites 	

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Ohio Buckeye <i>Aesculus glabra</i>	B, N, R, *	8-10m Ht. 6-8m W.			Low	Medium	<ul style="list-style-type: none"> • Low headed, rounded form • Has prickly nuts that could be a nuisance in yards • Nice orange fall colour • Requires moist soil • Best in natural areas 	
Horse Chestnut <i>Aesculus hippocastanum</i>	B, R, *	15-20m Ht. 10-15m W.			Low	Medium	<ul style="list-style-type: none"> • Dense oval crown • Showy white flower clusters in spring • Spiny nuts in the fall are not edible • Not much fall colour • Requires moist soil 	
Serviceberry <i>Amelanchier x grandiflora</i> <i>'Autumn Brilliance'</i>	N, R, P	8m Ht. 5m W.			Low	Medium	<ul style="list-style-type: none"> • Often multi-stemmed or small tree • Showy white flowers in spring • Sweet reddish purple edible berries • Outstanding fall colour • Attracts birds 	

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Shade/Ornamental Trees (Deciduous)

Latin Name/ Common Name	Tree Use	Mature Height/ Width	Summer Leaf Colour	Fall Leaf Colour	Salt Tolerance	Bear Resistance	Characteristics	Photo
River Birch <i>Betula nigra</i> 'Heritage'	N, B, R	15m Ht. 15m W.			Low	High	<ul style="list-style-type: none"> Nice oval shape Beautiful exfoliating bark for winter interest Available in single stem or clump forms More pest-resistant than other birches Adaptable to various site conditions 	
Paper Birch <i>Betula papyrifera</i> 'Prairie Dream' 'Chickadee' 'Snowy'	N, R	12-15m Ht. 5-10m W.			Medium	High	<ul style="list-style-type: none"> Prefers heavy watering & well-drained soil Outstanding white bark Susceptible to pests during prolonged drought Not suitable as a street tree 	
Weeping Birch <i>Betula pendula</i> 'Dalcarlica' 'Purple Rain' 'Tristis' 'Youngii'	B, P, R	6-12m Ht. 5-8m W.			Low	High	<ul style="list-style-type: none"> Similar to Paper Birch but with a weeping form Very graceful Cutleaf has finely dissected leaves 'Youngii' Birch is smaller and useful where space is limited 'Purple Rain' has striking purple foliage 	

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Latin Name/ Common Name	Tree Use	Mature Height/ Width	Summer Leaf Colour	Fall Leaf Colour	Salt Tolerance	Bear Resistance	Characteristics	Photo
Caragana Caragana arborescens <i>'Pendula'</i> <i>'Walker'</i>	P, R	2m Ht. 1.5m W.			Low	High	<ul style="list-style-type: none"> • Top grafted shrubs that make interesting feature trees • Showy yellow flowers • Bright green foliage • Weeping Branches with thorns • Drought tolerant 	
Hackberry Celtis occidentalis <i>'Prairie Pride'</i>	B, N, R	20m Ht. 15m W.			Low	Medium	<ul style="list-style-type: none"> • Elm-like in size & form • Large tree that is tough & adaptable for urban use • Berries attract birds • Not much fall colour • Drought tolerant 	
Pagoda Dogwood Cornus alternifolia <i>'Argentea'</i>	P, R, *	4-6m Ht. 4-6m W.			Low	Medium	<ul style="list-style-type: none"> • Horizontal branching creates a layered effect • Nice for a Japanese style garden & for planters • Showy white flowers • Red/purple fall colour • Shade-tolerant 	

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Morden Hawthorn <i>Crataegus x mordensis</i> <i>'Toba'</i> <i>'Snowbird'</i>	P, R	5m Ht. 5m W.			Low	Medium	<ul style="list-style-type: none"> • Small flowering trees with red fruit • Some thorns • Some pest problems • 'Toba' has pink flowers & 'Snowbird' has white 	
Russian Olive <i>Elaeagnus angustifolia</i>	B, R	8m Ht. 8m W.			Medium	High	<ul style="list-style-type: none"> • Can be grown as a large shrub or trained as a single stemmed tree • Small yellow flowers, silvery small fruit, & 4" sharp thorns • Prefers a dry site • Avoid waterways – can be invasive 	
White Ash <i>Fraxinus Americana</i> <i>'Autumn Blaze'</i> <i>'Autumn Purple'</i> <i>'Skyline'</i>	B, R	13-15m Ht. 12m W.			Low	High	<ul style="list-style-type: none"> • Nice shade tree & better structure than Green Ash • Fall colours range from yellow, orange & purple • Prefers moist well-drained soil but is adaptable • Salt tolerant • 'Autumn Blaze' hardy to zone 3 	

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Manchurian Ash Fraxinus mandshurica <i>'Mancana'</i>	B, R	12m Ht. 6m W.			Low	High	<ul style="list-style-type: none"> Upright oval trees with lacy foliage Yellow fall colour Tolerant of various soil types Some potential pest problems that proper care & site selection could alleviate 'Mancana' is a seedless variety 	
Green Ash Fraxinus pennsylvanica <i>'Patmore'</i> <i>'Prairie Spire'</i> <i>'Rugby'</i>	B, R	15-18m Ht. 7-10m W.			Low	High	<ul style="list-style-type: none"> Hardy & adaptable (but has been overused) Develops poor structure if not pruned regularly when young Yellow fall colour Seedless male cultivars are preferred 	
Butternut Juglans cinera	B, R, *	12-18m Ht. 10-12m W.			Medium	High	<ul style="list-style-type: none"> Beautiful, wide spreading shade tree Interesting compound leaves Oily, edible nuts attract squirrels Requires deep, rich soil 	

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Shade/Ornamental Trees (Deciduous)

Latin Name/ Common Name	Tree Use	Mature Height/ Width	Summer Leaf Colour	Fall Leaf Colour	Salt Tolerance	Bear Resistance	Characteristics	Photo
Black Walnut <i>Juglans nigra</i>	B, R, *	15-22m Ht. 15m W.			Low	Medium	<ul style="list-style-type: none"> • Upright high headed tree with nice foliage • Long lived • Nuts are attractive to squirrels • Roots produce a compound that is toxic to other plants 	
Amur Maackia <i>Maackia amurensis</i>	B, P, R	6-9m Ht. 6-7m W.			Low	High	<ul style="list-style-type: none"> • Small graceful tree good for a small yard • Fragrant, yellowish flowers in spring • Golden bark • Low maintenance & adaptable • Virtually pest-free 	
Ironwood <i>Ostrya virginiana</i>	B, R, *	10-13m Ht. 7-10m W.			Low	High	<ul style="list-style-type: none"> • Oval to rounded tree that is tough, adaptable & shade tolerant • Attractive foliage turns yellow in fall • Bark is showy & seeds attract birds • Avoid wet soils 	

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Shade/Ornamental Trees (Deciduous)

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Amur Cork Tree Phellodendron amurense 'Macho' 'Shademaster' 'His Majesty'	B, R	7-9m Ht. 7-9m W.			Low	Medium	<ul style="list-style-type: none"> • Unique & beautiful tree that should be used more • Graceful, spreading habit • Nice foliage with fall colour • Interesting bark • Use male cultivars to avoid fruit which is messy and attracts bears 	
Swedish Columnar Aspen Populus tremula 'erecta'	B, N, R	12m Ht. 2m W.			Medium	High	<ul style="list-style-type: none"> • Growing in popularity due to it's beautiful columnar habit • Tough, adaptable & fits into restricted spaces • Nice fall colour, no fluffy seeds & non aggressive roots 	
Northern Pin Oak Quercus ellipsoidalis	B, R	15m Ht. 12m W.			Low	Medium	<ul style="list-style-type: none"> • Broad, oval habit • Very stately appearance typical of Oaks • Cold hardy Pin Oak • Rich, green foliage with red to coppery fall colour 	

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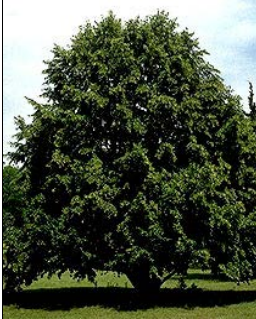
Shade/Ornamental Trees (Deciduous)

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Bur Oak <i>Quercus macrocarpa</i>	B, R	20-24m Ht. 9-12m W.			Medium	Medium	<ul style="list-style-type: none"> • Very hardy native Oak • Interesting bark, leaves & acorns • Adaptable tree & tolerant of urban conditions • Requires large area to reach it's full potential • Birds & squirrels love the acorns 	
Red Oak <i>Quercus rubra</i>	B, R	18-21m Ht. 9-12m W.			High	Medium	<ul style="list-style-type: none"> • One of the faster growing Oaks • Large & very stately tree • Tolerant of most soils except high pH • Fall colour ranges from red to coppery-brown • Leaves often remain on the tree for winter 	
White Willow <i>Salix alba</i> 'Tristis' 'Vitellina'	N, R	15m Ht. 12m W.			Low	High	<ul style="list-style-type: none"> • Beautiful tree with colourful yellow new growth • 'Tristis' has a weeping habit • Not for the small yard • Willows drop branches constantly & have very aggressive roots • Best used in larger natural areas 	

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Laurel Leaf Willow Salix pentandra <i>'Prairie Cascade'</i>	N, R	10-13m Ht. 10m W.			Low	High	<ul style="list-style-type: none"> Fast growing tree with shiny green foliage Use in large, natural areas Requires moist, wet soils 'Prairie Cascade' is a hybrid with golden new stems & a weeping habit 	
Japanese Tree Lilac Syringa reticulata <i>'Ivory Silk'</i>	B, P, R	8-9m Ht. 7-8m W.			Medium	High	<ul style="list-style-type: none"> Small tree with oval crown Very attractive creamy white flower clusters Nice specimen for small yard or large planter Tough tree for urban conditions Probably underused 	
Linden sp. Tilia Americana Tilia cordata Tilia x flavescens Tilia mongolica <i>Various species</i>	B, P, R	10-30m Ht. 7-15m W.			Medium	High	<ul style="list-style-type: none"> Pyramidal to oval in form Very nice structure & branching habit Nice foliage with yellow flowers Very tidy tree & requires little pruning Tilia americana is larger than other Tilia's 	

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Elm <i>Ulmus Americana</i> 'Brandon' 'Liberty' 'Valley Forge' 'New Harmony' 'Discovery'	B, R	20m Ht. 15m W.			Low	High	<ul style="list-style-type: none"> Nice specimens at City Hall & the Millar addition Lovely vase-shape with arching branches Yellow fall colour Dutch Elm disease (DED) has wiped out entire Elm population in much of North America Use DED-resistant varieties 	

Other Tree Species **not recommended for use** or should be **used with caution**, include the following:

- **Poplar & Willow species** – Suitable for natural areas only as root systems are invasive.
- **Manitoba Maple/Box Elder (*Acer negundo*)** – Self-seeding and root systems are invasive.
- **Silver Maple (*Acer saccharinum*)** – Hazardous and messy with brittle branches. Root systems are also invasive.
- **Black Ash (*Fraxinus nigra*)** – Not recommended given pest problems with Black Ash cultivars.
- **Flowering Crabs (*Malus species*)** – Crab trees produce fruit and are attractants to bears. Fruit must be removed immediately upon ripening for harvest or disposal (composting not recommended as the odour is attractive to bears).
- **Mayday & Chokecherry (*Prunus padus*)** – Prunus species produce fruit and are attractants to bears. Black knot disease is prominent in some prunus species.
- **Mountain Ash (*Sorbus aucuparia/decora*)** – Mountain ash trees produce fruit and are attractants to bears. Fruit can also be messy on hard surfaces.

Revision Date: February 21, 2019

Tree Use:

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