

Schedule Recommended Tree Plantings **A**

Please Note: Drayton Valley is located in the zone Alberta Tree Hardiness Zone 4a, which is the same zone that Edmonton is located in. Trees planted in Edmonton should also have optimal chances of survival (all other factors being equal) if they were planted in Drayton Valley. This list is not an exhaustive list and is provided only as a courtesy to assist in deciding which tree plantings are suitable for a given site, in a variety of scenarios.

AMUR CHERRY

Species name: *Prunus maackii*

Other Common names: Amur Chokecherry, Manchurian Cherry

Likes: full sun (to maximize fruiting), well-drained soil

Dislikes: Compacted or saline soil, salt spray

Growth rate: Moderate

Lifespan: 30 years

- Susceptible to winter injury, requires a sheltered location
- Distinct reddish bark with white spring flowers
- Vulnerable to fungal disease (Fireblight)

BUR OAK

Species name: *Quercus macrocarpa*

Other Common names: Burr Oak, Mossycup Oak

Likes: Full sun, tolerates some shade, well-drained loam soil and moderate moisture, somewhat drought tolerant

Growth rate: Slow to moderate

Lifespan: 100-300 years

- Generally pest and disease free
- Tolerant to air pollution
- Adapts to most soil and growing conditions

EUROPEAN MOUNTAIN ASH

Species names: *Sorbus americana* Marsh. (*American Mountain Ash*) *Sorbus aucuparia* L. (*European Mountain Ash*) *Sorbus decora* Schneid. (*Showy Mountain Ash*)

Other Common names: Mountain Ash, Rowan, Dogberry

Likes: Full sun, Well-drained soil, Grows better as a multi-stemmed tree than with a single trunk

Dislikes: Poorly drained sites; susceptible to drowning, Full sun on its trunk may cause damage

Growth Rate: Moderate

Lifespan: 30-50 years

- Showy orange-red fruit that attracts birds
- It can be either single stemmed or multi-stemmed
- Not good by walkways or on boulevards, as falling fruit may stain concrete, clothing and vehicles
- Susceptible to fire blight
- Not susceptible to Emerald Ash Boer or Western Ash Bark Beetle

AMUR MAPLE

Species name: *Acer ginnala*

Other Common names: N/A

Likes: Full sun, well-drained soil and moderate moisture

Dislikes: Saline soil and salt spray

Growth rate: Moderate

Lifespan: 60 years

- Adapts to a wide range of soil and pH levels
- Low-headed ornamental tree
- Beautiful fall foliage colour
- Generally pest and disease free

COLORADO SPRUCE

Species name: *Picea pungens*

Other Common names: Blue Spruce, Colorado Blue Spruce, Green Spruce

Likes: Full sun, Well-drained, acidic soil; somewhat drought tolerant

Dislikes: Flooding, Compacted or alkaline soil

Growth rate: Moderate

Lifespan: 50-100 years

- Blue or green colour
- Dense, blue-green needles and stiffly pyramidal shape make this a popular landscape tree
- More salt tolerant than other spruces
- Rigid needles

IVORY SILK JAPANESE LILAC

Species name: *Syringa reticulata*

Other Common names: Japanese tree lilac

Likes: Full sun, Well-drained soil, Tolerates pollution well

Dislikes Heavily shaded sites, Drought,

Growth Rate: Moderate

Lifespan: 40-50 years

- Bears large sprays of showy, fragrant white flowers
- Small, neat size fits well in small yards
- Generally free of pests and disease issues
- Cream coloured flowers
- Dense canopy
- Bark is a deep brown that resembles a cherry

LAUREL-LEAF WILLOW

Species name: *Salix pentandra*

Other Common names: N/A

Likes: Full sun or partial shade, Moisture; tolerates some flooding, Organic, slightly acidic soil

Dislikes: Wind - sheds branches easily and may be untidy in an urban yard situation, Droughty areas, Alkaline soil, Not suitable near sewer pipes or water lines

Growth Rate: Fast; annual growth rate from 50 to 150 cm (1.5 to 5 ft)

Lifespan: 40-50 years

- Has shiny, glossy leaves and rough, twisted bark
- Retains its leaves long into fall
- May experience some winter dieback when young
- Generally pest and disease free

MORDEN HAWTHORN

Species name: *Crataegus x mordenensis*

Other Common names: Toba Hawthorn

Likes: Full sun or partial shade, highly adaptable to dry and moist soil conditions, successful growth in range of soil types and varying levels of pH

Dislikes: Although this tree is adaptable to moist soil conditions, it will not tolerate standing water

Growth Rate: Moderate

Lifespan: 40 years

- Glossy dark green foliage
- Light pink flower clusters
- Has some thorns
- Suitable for planting under power lines

RUSSIAN OLIVE

Species name: *Elaeagnus angustifolia*

Other Common names:

Likes: Dry, well-drained sites, drought and salt tolerant, strong preference to clay and alkaline soils. Very tolerant of urban pollution/

Dislikes: Excessive moisture

Growth Rate: Moderate

Lifespan: 50+ years

- May be difficult to find
- Has grey foliage
- Very fragrant yellow flowers

LINDEN

Species names: *Tilia cordata* Mill. (Littleleaf Linden)

Tilia x flavescens (Dropmore Linden) *Tilia mongolica* (Mongolian Linden)

Other Common names: American Basswood

Likes: Full sun, Well-drained soil, Neutral soil

Dislikes: Saline or compacted soil, Wind exposure - susceptible to sunscald

Growth Rate: Moderate

Lifespan: 50 years

- Dense, pyramidal canopy on a straight, tapered trunk
- Bears fragrant blossoms that are a valuable nectar source for honeybees
- Yellow fall colour
- Mongolian lindens have beautiful exfoliating bark for winter interest
- Generally pest and disease free

OHIO BUCKEYE

Species name: *Aesculus glabra*

Other Common names: American buckeye, fetid buckeye

Likes: Full sun, Well-drained acidic soil and moderate moisture, Tolerant to saline soil

Dislikes: Compacted soil

Growth Rate: Slow

Lifespan: 75 years

- Mature height 12m
- Highly ornamental, with creamy yellow blossoms, ornamental nut-like fruit
- Suitable for smaller yards
- Form is low-headed and has a dense canopy
- Palmate leaf with the leaflets about 10-15cm long
- It is fully hardy and slow growing
- Light orange fall colour

SCOTS PINE

Species name: *Pinus sylvestris*

Other Common names:

Likes: Full sun, Well-drained, acidic soil, Moderate moisture; will tolerate drought conditions

Dislikes: Alkaline or saline soil, Compaction

Growth Rate: Moderate-fast

Lifespan: 50-90 years

- Unique, twisted form at maturity
- Orange-brown bark
- Great for the urban landscape
- Mountain Pine Beetle mostly affects Lodgepole Pine, however the Scots Pine is still vulnerable. Inspect and maintain these trees regularly, particularly from July through September

SIBERIAN LARCH

Species name: Larix sibirica

Other Common names: Russian larch

Likes: Full sun, Moist soils with a high-water table; some drought tolerance, Acidic soil, Some tolerance to compaction

Dislikes Saline or alkaline soil, Salt spray

Growth Rate: Moderately fast (15-30 cm annually)

Lifespan: 100 years

- Symmetrical shape
- Distinctive conifer sheds its needles every fall and grows new ones in spring
- Striking yellow fall colour
- Does well in parks or large yards
- Generally pest and disease free
- Maximum height 10m
- Maximum branch spread 3m

WHITE SPRUCE

Species name: Picea glauca

Other Common names: White Spruce, Canada Spruce, Porsild Spruce, Skunk Spruce, Cat Spruce, Black Hills Spruce

Likes: Full sun, Well-drained, acidic soil. Prefers sites with more available moisture than the Colorado spruce

Dislikes Compacted or alkaline soil

Growth Rate: Moderate

Lifespan: 50-100 years

- Available in dwarf cultivars 'Densata' and 'Albertiana Conica'.
- Short, soft needles and small cones make this an attractive specimen tree
- Hardy native tree
- Needles are softer than the Colorado spruce

SWISS STONE PINE

Species name: Pinus cembra

Other Common names: Swiss pine, Arolla pine, Stone pine

Likes: Full sun, Well-drained, acidic soil, Moderate moisture

Dislikes: Alkaline or saline soil, Compaction

Growth Rate: Moderately slow

Lifespan: 100+ years

- Attractive dense, pyramidal shape
- Produces edible pine nuts at maturity
- Mountain Pine Beetle mostly affects Lodgepole Pine, however the Scots Pine is still vulnerable. Inspect and maintain these trees regularly, particularly from July through September