

Black Spruce *Picea mariana*



The Black Spruce is a medium sized shade tolerant tree that also thrives in the sun. It is often straight and narrow with its lower branches drooping down, and the top forming a “tuft” on the crown.

Pollination: Wind **Height:** 20m **Light:** Shade

Moisture: Wet, Moist **Soil:** Clay, Loam, Sand

Vegetation Type: Long-Lived

White Spruce *Picea glauca*



This versatile tree can grow in multiple site types with a large range of light and moisture tolerability. It is a resistant species. The lower foliage is broad and becomes thinner as it goes up the trunk.

Pollination: Wind **Height:** 30m **Light:** Full, Partial, Shade

Moisture: Moist, Average **Soil:** Clay, Loam, Sand

Vegetation Type: Long-lived

Tamarack Larch *Larix laricina*



This unique tree is a conifer that turns yellow and drops its needles in the fall. The needles, forming tufts, are arranged in full fascicles with a distinct short shoot. Tamaracks require full sun to grow and thrive.

Pollination: Wind **Height:** 20m **Light:** Full

Moisture: Wet, Moist **Soil:** Loam, Sand

Vegetation Type: Long-lived

Jack Pine *Pinus banksiana*



Jack pines live best on dry, sunny sites. Their cones are curved and enclosed with resin, opening and releasing seeds when exposed to extreme heat. The crown shape varies depending on the density of the plants growing around them.

Pollination: Wind **Height:** 22m **Light:** Full

Moisture: Dry, Average **Soil:** Loam, Sand

Vegetation Type: Long-lived

Manitoba Maple *Acer negundo*



These trees are well known for their samaras that fall like a helicopter. Manitoba maples are adaptable and can tolerate all types of sites, including surviving floods and droughts.

Pollination: Wind **Height:** 15m **Light:** Full, Partial, Shade

Moisture: Moist, Dry, Average **Soil:** Clay, Loam, Sand

Vegetation Type: Fast Growing Tree

Paper Birch *Betula papyrifera*



Paper Birch, also known as White Birch, is named after its distinct white, peeling bark. It is extremely shade and drought intolerant and does best in full sun. It does not do well however, in harsh heat.

Pollination: Wind **Height:** 18m **Light:** Full, Partial

Moisture: Moist, Average, Dry **Soil:** Clay, Loam, Sand

Vegetation Type: Fast Growing Tree

Black Poplar *Populus balsamifera L.*



This fast-growing tree grows well in wet or moist soils making them tolerant to flooding. They produce deep thick roots as they grow older. Black poplar's sticky buds turn into small white fluffy seeds in the spring.

Pollination: Wind **Height:** 25m **Light:** Full

Moisture: Wet, Moist **Soil:** Clay, Loam, Sand

Vegetation Type: Fast Growing Tree

Trembling Aspen *Populus tremuloides*



Trembling Aspen trees are well suited for a variety of site types but do not do well with flooding or prolonged droughts. This species is identifiable by their leaves that “tremble” or “shake” in the wind.

Pollination: Wind **Height:** 25m **Light:** Full, Partial

Moisture: Moist, Average **Soil:** Clay, Loam, Sand

Vegetation Type: Fast Growing Tree

Acute Willow *Salix acutifolia*



The Acute Willow is a species that can grow to be as wide as it is tall, with it often being multi-stemmed. With the foliage staying low to the ground, it is a great tree for windbreak. The willow also blooms earlier than most species.

Pollination: Animal **Height:** 12m **Light:** Full

Moisture: Wet, Moist **Soil:** Clay, Loam, Sand

Vegetation Type: Fast Growing Tree

Laurel Leaf Willow *Salix pentandra*



The Laurel Leaf Willow grows to be a full tree with a round symmetrical crown, with the foliage composed of dark green leaves. This species is not native to Canada but can survive the cold winters.

Pollination: Animal **Height:** 15m **Light:** Full, Partial

Moisture: Wet, Moist **Soil:** Clay, Loam, Sand

Vegetation Type: Fast Growing Tree

Sandbar Willow *Salix exigua*



This shrub has roots that are deep and binding, allowing it to do well on the banks of bodies of water. It prefers wet areas, also allowing it to be able to live through floods. In the spring, the Sandbar Willows buds are fluffier than the well know willow buds.

Pollination: Animal **Height:** 6m **Light:** Full, Partial

Moisture: Wet, Moist **Soil:** Clay, Loam, Sand

Vegetation Type: Tall Shrub

Silver Buffaloberry *Shepherdia argentea*



The Silver Buffaloberry is an important species for nitrogen fixation. The orange drupes attract many birds but can also be eaten by humans though they can sometimes hold a bitter taste.

Pollination: Animal **Height:** 5m **Light:** Full

Moisture: Average, Dry **Soil:** Clay, Loam, Sand

Vegetation Type: Tall Shrub

Choke Cherry *Prunus virginiana*



Choke Cherry shrubs are fast growing and can get to the size of a small tree. The plants live best in full sun and don't thrive with annual flooding. The fruits turn dark purple in the summer and are edible, though it is important to note the seeds are toxic.

Pollination: Animal **Height:** 7m **Light:** Full, Partial

Moisture: Moist, Average, Dry **Soil:** Clay, Loam, Sand

Vegetation Type: Tall Shrub

Green Alder *Alnus alnobetula*



The Green Alder contributes a great amount to nitrogen fixation and can help improve nutrient poor soils. They are monoecious, having both male and female catkins on the same individual.

Pollination: Wind **Height:** 5m **Light:** Full, Partial

Moisture: Wet, Moist **Soil:** Clay, Loam

Vegetation Type: Tall Shrub

Northline Saskatoon *Amelanchier alnifolia*



Northline Saskatoon, also known as Serviceberry, is a species known for the dark blue fruits it produces. The plants do not do well with prolonged drought or annual flooding but can live on many soil types.

Pollination: Animal **Height:** 5m **Light:** Full, Partial

Moisture: Moist, Average **Soil:** Clay, Loam, Sand

Vegetation type: Tall Shrub

Pin Cherry *Prunus pensylvanica*



This shrub is covered in white flowers during the spring which turn to bright red fruits in the summer. The fruits are edible and sour and are a large food source for many birds.

Pollination: Animal **Height:** 7m **Light:** Full

Moisture: Full **Soil:** Clay, Loam, Sand

Vegetation Type: Tall Shrub

Bebb's Willow *Salix bebbiana*



Even though the Bebb's Willow prefers wet moist sites, often found along bodies of water, it can also tolerate droughts. The branches grow upwards, keeping the shrub narrower than others.

Pollination: Animal **Height:** 5m **Light:** Full, Partial

Moisture: Wet, Moist **Soil:** Clay, Loam, Sand

Vegetation Type: Tall Shrub

Red Osier Dogwood *Cornus sericea*



Red Osier Dogwood is named after its distinct red bark. It is adaptable to many site types except drought. In the spring, white flowers bloom, which turn to white fruits in the summer.

Pollination: Animal **Height:** 3m **Light:** Full, Partial, Shade

Moisture: Moist, Average **Soil:** Clay, Loam, Sand

Vegetation Type: Tall Shrub

Villosa Lilac *Syringa villosa*



The Villosa Lilac is recognizable by the clusters of light purple flowers during the summer. The species has a dense and shallow root system making it susceptible to water erosion.

Pollination: Animals **Height:** 5m **Light:** Full

Moisture: Dry, Average **Soil:** Clay, Loam

Vegetation Type: Tall Shrub

Canada Buffaloberry *Shepherdia canadensis*



The Canada Buffaloberry can tolerate many soil types and is a great nitrogen fixer. The leaves have a leathery texture and are a bright green. The fruits are an excellent food source for animal; they can be eaten by humans too but are very bitter.

Pollination: Animal **Height:** 3m **Light:** Full, Partial

Moisture: Moist, Average, Dry **Soil:** Clay, Loam, Sand

Vegetation Type: Low Shrub

Wolf Willow *Eleagnus commutate*



The Wolf Willow, or Silverberry, has a distinct silvery green colour to the leaves, with pale yellow flowers in the spring, which become silver berries as the year progresses. It thrives in the sun and a variety of soils, and individual plants can remain quite small.

Pollination: Animal **Height:** 4m **Light:** Full

Moisture: Moist, Average, Dry **Soil:** Clay, Loam, Sand

Vegetation Type: Low Shrub

Alberta Wild Rose *Rosa acicularis*



This small shrub has thorns along the stems and bright pink blossoms. It thrives in all kinds of sites except ones that are consistently wet. The hips are eaten by animals throughout the winter.

Pollination: Animal **Height:** 2m **Light:** Full, Partial

Moisture: Moist, Average, Dry **Soil:** Clay, Loam, Sand

Vegetation Type: Low Shrub

Lowbush Cranberry *Viburnum edule*



The Lowbush Cranberry likes to grow in damp sites and can survive all types of light exposure. The plant produces bright red fruit that is edible but sour. The fruits come from white flowers that bloom on the plant.

Pollination: Animal **Height:** 2m **Light:** Full, Partial, Shade

Moisture: Wet, Moist **Soil:** Clay, Loam, Sand

Vegetation Type: Low Shrub