

Criterion	<i>Acer saccharum</i> (Sugar maple)	<i>Acer Rubrum</i> (Red Maple)	<i>Pinus strobus</i> (Eastern White pine)	<i>Quercus rubra</i> (Red oak)	<i>Amelanchier Arborea</i> (Serviceberry)	<i>Thuja occidentalis</i> (Northern White Cedar)
Soil type	loam	sand, loam, clay	sand, loam	sand, loam	sand, loam, clay	loam (tolerates clay, dry, rocky soil)
Drainage requirements	good-excellent	poor-excellent	Fair to poor, excellent to good	Excellent to good	fair to excellent	poor-excellent
Sun/shade	shade tolerant, prefers full sun.	partial to full, shade tolerant.	sun	partial-full sun	shade-full sun	Partial to full
Maximum height	30m, 90cm in diameter	25m, 60cm diameter trunk	35m	25m	12m	15m
Fun fact :	With the highest sugar content of the maples, it is thanks to this tree that we have our beloved maple syrup. It takes approximately 35-50 gallons of sap to produce one gallon of maple syrup. Seeds from the sugar maple are contained in "keys" which are 30 to 35 millimetres long. Seed is produced every year, with an abundant crop every 7 years. In the fall, the sugar maple's leaves turn yellow, brilliant orange or red.	With leaves turning to a vibrant red, this tree knows how to outshine it's peers through the autumn season. Thanks to its adaptable roots, the red maple is able to grow in a variety of soils and growing conditions and is more tolerant to city conditions like salt and pollution than the sugar maple. The red maple can be tapped for a semi-sweet sap but you'll have to wait a while, red maples can only be tapped after their 40th birthday.	Meet Ontario's provincial tree. With its fire resistant bark, the white pine is a great choice for your indoor christmas tree. In colonial times, these tall trees were used to make masts for the British Royal Navy ships. The tallest white pine on record stood at 70m. Did you know that the eastern white pine needles contain five times the amount of Vitamin C (by weight) of lemons? (source: Wikipedia)	The provincial tree of Prince Edward Island. Acorns are a food source for various mammals. With a large crown the red oak makes excellent shade tree and can be planted along streets or in parking lots thanks to its high tolerance of urban conditions.	If you're looking for a hassle-free, easy-to-grow native tree that won't take over your entire lawn, this is the species for you. This shrub produces fragrant white flowers in early spring, but don't look away too long or you might miss them. The berries produced by this shrub are edible and ready to eat once they have turned a dark purple in early summer. Don't want to eat them? Try making the berries into a tea.	Considered a gift to humanity, the white cedar is one of the four plants of the medicine wheel in traditional Ojibwe culture and was often used for construction and craft purposes. The white pine contains an essential oil that has been used in disinfectants, insecticides, and soaps. Its other qualities make it useful in construction and craft projects. Its twigs are sometimes used to make tea to help treat headaches. An excellent city tree, the white cedar is tolerant of urban heat, drought, humidity and pollution.
Further information:	https://www.ontario.ca/page/sugar-maple http://www.lrconline.com/Extension_Notes_English/pdf/sgr_mpl.pdf	https://www.ontario.ca/page/red-maple	https://www.ontario.ca/page/eastern-white-pine	https://www.ontario.ca/page/red-oak http://hort.ufl.edu/database/documents/pdf/tree_fact_sheets/queruba.pdf	https://www.ontario.ca/page/serviceberries	https://en.wikipedia.org/wiki/Thuja_occidentalis
Growth rate	1-2 feet / year	2ft/year with good sun and moisture conditions.	6 inches per year. Growth speeds up to a rate of 3 feet/year between 15 and 45 years.	2 ft/year.	1-2 ft/year	1ft/year.
Space requirements	10-20 ft. for a large, full crown, the maple should be planted 15-20 feet away from other trees.	20 sq ft. Its roots are shallow, but they can spread widely, so make sure you plant your red maple where it will have room to grow.	space larger trees 20-30 ft apart.	minimum 10-20 sq feet	minimal.	minimal, reaches a spread of just 4 feet at maturity.
Suitable For	Anyone looking for a tree to provide shade, this tree has a large, dense crown at maturity if given the room.	This highly adaptive species is perfect for yards with difficult growing conditions.	Locations where open space is limited. This tree likes to have other tree friends to help protect it from harsh winds.	This highly adaptive species is perfect for yards with difficult growing conditions.	This easy to grow shrub is suitable for first-time shrub owners or anyone with limited space. Anyone looking for an ornamental shrub. Best in shrub borders.	Anyone with minimal space or looking for an ornamental shrub that can double as a fence for privacy. This shrub responds well to continual shearing to keep it under control.
Not suitable for:	Due to its low salt tolerance, planting this species near sidewalks and streets should be avoided.	locations with minimal space for root growth	Locations with direct overhead wires. Intolerant of salt or high levels of pollution, planting along streets should be avoided.	Locations where overhead space is limited. Should be planted away from sidewalks as roots can heave sidewalks.	Anyone who doesn't enjoy birds or wildlife as the berries of this tree make an excellent snack.	shady locations.
Maintenance level (low, medium, high)	some maintenance required.	This is a good, fast-growing shade tree, but pruning and maintenance may be needed to keep its form strong if it is shading your house.	Some maintenance required.	Minimal. Some pruning required during early growth	low	requires some winter prep to keep it vertical under the weight of snow and ice
avg lifespan	Our nation's native tree can live for over 200 years.	Avg of 150 years. Reaches maturity at 70-80 years old.	up to 400 years. Reaches maturity at 200-250 years	300+ years.	60+ years.	500+ years.