

JACK PINE



<p>A. Identification: this pine tree is in many places all over Canada</p>
<ul style="list-style-type: none"> • leaves---needle-like evergreen that is light-yellow green in color ---it has bundles of two which are 2-5 cm long which can be straight or twisted
<ul style="list-style-type: none"> • flowers-- females are oval, and reddish in color which come out in May --yellow-green clusters are at the twig tops
<ul style="list-style-type: none"> • cones----take two years to develop and are narrow and cone shaped 3-7 cm long ---- seed crops begin at 5 to 10 years and most years after ----yellowish brown cones when old which point toward the end of the branch ---- often in clusters of 2 or 3 and are usually closed on the tree for 10 to 20 years or the lifetime of the tree ----scales are held closed by resin and open when there is heat from wildfire, direct sunlight, or warm days
<ul style="list-style-type: none"> • bark-----thin, reddish brown to gray in color -----with age it becomes dark brown, flakey with thick plates
<ul style="list-style-type: none"> • wood-----moderately hard and heavy with a weak light brown color
<p>B. Where is the Jack Pine tree found:</p> <ul style="list-style-type: none"> • found in the coniferous belt all across Canada
<p>C. Climate:</p> <ul style="list-style-type: none"> • is the main tree in the southern boreal forest
<p>A. Habitat:</p> <ul style="list-style-type: none"> • grows on poor, sandy, shallow soils

- grows with trees that can't grow in the shade such as White Birch, Trembling Aspen, Balsam Poplar and Tamarack and with trees that can grow in the shade such as Black and White Spruce, and Balsam Fir

B. Growing characteristics:

- are small trees up to 20 m high, 30 cm in diameter, can be up to 150 years old
- trees can be from tapered trunks and conical crowns to short crowns, slender and straight
- grow in poor soils and rocky sites where the trees are short, twisted with long, stout branches that look unkempt
- root system is wide-spread, fairly deep and has one main root

C. Reproduction:

- by seed, seed-bearing age in open stands is 5 to 10 years with some seeds producing every year
- an older stand of trees may have as many as 2 million seeds per acre in unopened cones
- because the seeds produce so many, few mature trees are necessary to replant trees

D. Uses:

- **modern**
 - it is a hard and heavy wood used for pulpwood, lumber, telephone poles, fence posts, mine timbers, railway ties
 - also planted for Christmas trees

I. Fun facts:

- is the territorial tree of the North West Territories
- it is so well adapted to its environment that it needs wildfires or a lot of sun for its seeds to be released from the cone

Bibliography:

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