

# Forestry



# Native Trees of New Brunswick

Softwoods (10 species)

Hardwoods ( 19 species)

Need to know

- How to identify

- Shade tolerance

- Size and age

- Products

# How to ID Trees

## Leaves and Needles



# How to ID Trees

## Twigs



# How to ID Trees

Bark



# How to ID Trees

## Seeds and Cones





# Softwood Trees

Balsam fir

Eastern hemlock

Eastern white cedar

Tamarack (larch)

Pines (jack, red, and white)

Spruces (black, red, and white)

# Balsam fir

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/balsamfir>



Provincial tree of New Brunswick

Used for pulpwood, lumber,  
Christmas trees and wreaths

Shade Tolerance High to moderate

Mature height: 20-25 metres

Age expectancy: 70-150 years



# Eastern hemlock

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/easternhemlock>



## Forest Products

Rough lumber, tannins

**Shade Tolerance:** Very high

**Mature height:** 20-30 metres

**Age expectancy:** 300-400 years



# Eastern white cedar

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/easternwhitecedar>



## Forest Products

Shingles, lumber,  
lining closets and chests

**Shade Tolerance:** High to moderate

**Mature height:** 15-25 metres  
**Age expectancy:** 150-350 years



# Tamarack (Eastern larch)

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/tamarack>



## Forest Products

Lumber, flooring, boat builders

**Shade Tolerance:** Very intolerant

**Mature height:** 20-25 metres

**Age expectancy:** 100-180 years



# Jack pine

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/jackpine>



## Forest Products

Lumber, pulp

**Shade Tolerance:** Very intolerant

**Mature height:** 20 metres

**Age expectancy:** 80-130 years



# Red pine

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/redpine>



## Forest Products

Lumber, poles

**Shade Tolerance:** Intolerant - intermediate

**Mature height:** 25 metres

**Age expectancy:** 150-200 years



# Eastern white pine

<http://.cfs.nrcan.gc.ca/subsite/maritimetrees/whitepine>



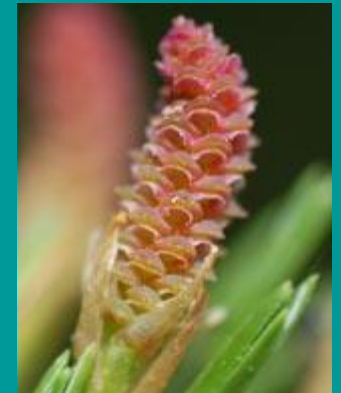
## Forest Products

Lumber

**Shade Tolerance:** Intermediate

**Mature height:** 25-35 metres

**Age expectancy:** 200-400 years



# Black spruce

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/blackspruce>



## Forest Products

Lumber, pulp

**Shade Tolerance:** Tolerant

**Mature height:** 20-30 metres

**Age expectancy:** 150-250 years



# Red spruce

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/redspruce>



## Forest Products

Lumber, pulp

**Shade Tolerance:** Very tolerant

**Mature height:** 25-30 metres

**Age expectancy:** 250-350 years



# White spruce

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/whitespruce>



## Forest Products

Lumber, pulp

**Shade Tolerance:** Moderate - tolerant

**Mature height:** 25 metres

**Age expectancy:** 100-200 years



# New Brunswick Hardwoods

Ashes (black, red, white)

Basswood

Beech

Birches (grey, white, yellow)

Butternut

Elm

Ironwood

Maples (red, silver, sugar)

Oaks (bur, red)

Poplars (balsam, largetooth, trembling)

Most of photos used in tree ID section originate from following web site

[http://www.fw.vt.edu/dendro/dendrology/syllabus/biglist\\_frame.cfm](http://www.fw.vt.edu/dendro/dendrology/syllabus/biglist_frame.cfm)

# Softwoods

## Intolerant

Jack pine  
Tamarack  
Red pine

## Intermediate

White pine

## Tolerant

Balsam fir  
Hemlock  
Cedar  
Black spruce  
Red spruce  
White spruce

# Hardwoods

Grey birch  
White birch  
Butternut  
Balsam poplar  
Largetooth aspen  
Trembling aspen

Black ash  
White ash  
Bur oak  
Red oak  
Yellow birch  
Green ash  
Basswood  
Elm  
Silver maple

Beech  
Ironwood  
Red maple  
Sugar maple

} Flood plain species

# Black ash

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/blackash>

Uses: baskets, furniture

Shade Tolerance: Moderate - intermediate

Mature height: 20 metres

Age expectancy: 100-200 years





# Red/green ash

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/redash>



- Uses: furniture, fuelwood
- Tolerance: Moderate - intermediate
- Height: 20-25 metres
- Age: 100-200 years



# White ash

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/whiteash>



Uses: Spoolwood, furniture, flooring, tool handles, baseball bats, hockey sticks, fuelwood

Tolerance: Moderate - intermediate

Height: 25 metres

Age: 100-200 years



# Basswood

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/basswood>



Uses: Wood carving

Tolerance: Intermediate

Height: 20-30 metres

Age: 150-200 years



# Beech

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/beechn>

- Uses: Furniture, hardwood floors, fuelwood
- Tolerance: Very tolerant
- Height: 25 metres
- Age: 100-200 years



# Grey birch

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/greybirch>



Uses:	Fuelwood (poor) no commercial value
Tolerance:	Very intolerant
Height:	10-12 metres
Age:	20-50 years



# White birch

<http://www.cfs.nrcan.gc.ca/subsite/maritimetrees/whitebirch>



Uses: Spoolwood, furniture  
firewood

Tolerance: Intolerant

Height: 25 metres

Age: 80-130 years



# Yellow birch

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/yellowbirch>



Uses: Spoolwood, furniture, hardwood floors, firewood

Tolerance: Intermediate

Height: 25 metres

Age: 150-250 years

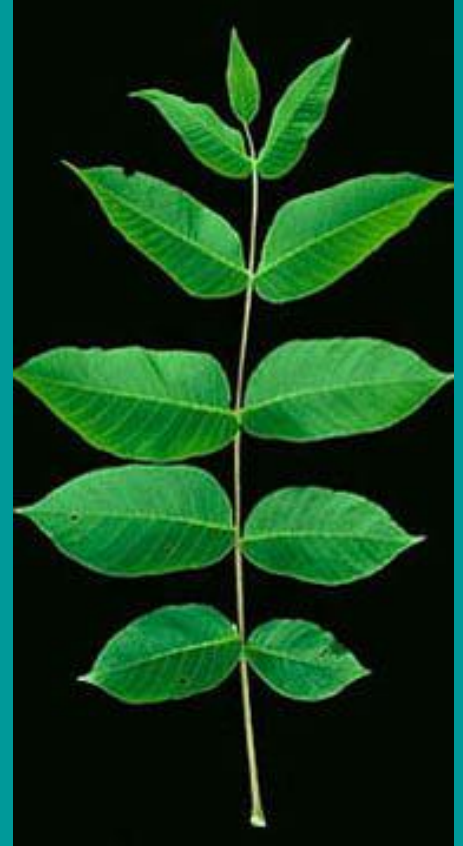


# Butternut

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/butternut>



Uses:	Furniture,
Tolerance:	Intolerant
Height:	20-25 metres
Age:	60-80



# Elm

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/whiteelm>



Uses:	Furniture,
Tolerance:	Intermediate
Height:	25-35 metres
Age:	150-200 years



# Ironwood

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/hophornbeam>



Uses: Tool handles (wood extremely hard and dense) Furniture,

Tolerance: Very tolerant

Height: 10-12 metres

Age: 50-100 years



# Red maple

<http://cfs.nrcan.gc.ca/subsite/maritimetreestrees/redmaple>



Uses: Furniture, fuelwood

Tolerance: Moderate - tolerant

Height: 20-25 metres

Age: 80-130 years



# Silver maple

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/silvermaple>



Uses:	Furniture, fuelwood
Tolerance:	Intermediate
Height:	25-35 metres
Age:	80-130 years



# Sugar maple

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/sugarmaple>



Uses: sap (maple products), furniture, hardwood floors

Tolerance: Very tolerant

Height: 25-35 metres

Age: 150-250 years



# Bur oak

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/buroak>



Uses: Furniture,  
hardwood floors

Tolerance: Intermediate

Height: 15-20 metres

Age: 200-300 years



# Red oak

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/redoak>

Uses: Furniture,  
hardwood floors

Tolerance: Intermediate

Height: 20-25 metres

Age: 200-250 years



# Balsam poplar

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/balsampoplar>



Uses:	Boxwood, particle board furniture,
Tolerance:	Intolerant
Height:	25 metres
Age:	80-150 years



# Large-tooth aspen

<http://cfs.nrcan.gc.ca/subsite/maritimetrees/largetoothaspen>

Uses: Boxwood, particle board furniture,

Tolerance: Intolerant

Height: 20 metres

Age: 60-100 years



# Trembling aspen

<http://www.cfs.nrcan.gc.ca/subsite/maritimetrees/tremblingaspen>



Uses: Boxwood, particle board furniture,

Tolerance: Intolerant

Height: 20 metres

Age: 60-100 years

