

Characteristics:

Leaves-

The leaves are broad, flat, pinnately compounded with the margins slightly toothed. The leaves alternate and are similar to others with an odd number of leaflets all between 2 to 4 inches long.

The leaves are downy-pubescent and are a brighter, yellow-green compared to other trees.

- 11-17 leaflets
- sticky-hairy rachis
- sessile

The flowers are a yellow-green color.

Uses: the Inner bark has cathartic properties and was used as orange/ yellow dye in the past. The nut is sweet and edible and used for making candies. The wood is also used for making furniture and woodcrafters use the lumber. The nuts also feed squirrels and other animals. (1)



Threats-

Some insects found on the *Juglans Cinerea* include woodborers, defoliators, nut weevils, lace bugs, husk flies, and bark beetles. The most serious pest is the **butternut curculio**, which injures the fruit and stems. Also, *Sirococcus clavigignenti-juglandacearum* is a fungus that causes cankers on the tree. (2)

Interesting Facts- In some parts of the country pickles are made from the fruits. (3)
The nuts are also used for making maple nut candy in New England.

Mulitple choice: Which of the following areas are you least likely to find a White Walnut Tree?

- A. Pennsylvania
- B. Quebec
- C. New York
- D. Louisiana

Answer: D

*References Attached

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Field Botany



Juglans Cinerea

Common names:

- White Walnut
- Butternut Walnut

Family:
Juglandaceae

Life History

The White Walnut blooms around April to June. It grows very fast, especially when it is a seedling. The life span of a *Juglans cinerea* is about 75 years. In order for this tree to survive it cannot be in the shade, thus making this tree apart of the overstory. (1)

How does the *Juglans Cinerea* Reproduce?

The male flowers are small catkins that develop off of the auxiliary buds. On the other hand, the female flowers are short spikes located on the shoots. Thus making this species monoecious. (1)



SIZE- these trees grow about 20 meters tall; the bark is a light grey/rough color. (1)

FRUIT- the fruit on this tree is a **nut**.

- It is oblong-ovoid pointed
- Grows in groups of 2-5
- Is between 2-3 inches long
- Enclosed in a green husk (4)

Where are they found?

The White Walnut is found in the Eastern United States and Southeast Canada. It extends to New Brunswick, southern Quebec west to Minnesota, south to northern Alabama and southwest to northern Arkansas. (3)



References

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<http://en.wikipedia.org/wiki/Juglans_cinerea>.
- 3) "Juglans Cinerea L." *Northeastern Area State & Private Forestry - USDA Forest Service*.
OPLIN. Web. 05 Sept. 2011.
<http://www.na.fs.fed.us/pubs/silvics_manual/volume_2/juglans/cinerea.htm>.
- 4) Grimm, William. The Illustrated Book of Trees. Mechanicsburg, PA: Stackpole Books, 2002.