

Butternut (*Juglans cinerea*), is an endangered species, threatened by a fungal disease called butternut canker (*Ophiognomonia clavigignenti-juglandacearum*), and protected under Ontario's Endangered Species Act (ESA 2007). We are searching for pure, native butternut that may be genetically tolerant to the canker to include in our recovery program. However, in urban and long settled areas, exotic and hybrid walnuts (e.g. Japanese walnut X butternut) have been planted for decades.



We are Looking for Healthy Butternut

Healthy, native butternut trees could contribute to recovery efforts in Ontario. A suitable recovery tree would have the following characteristics:

- Growing in natural areas with at least 5 butternut trees greater than 15 cm diameter at breast height (dbh).
- Has a healthy crown (greater than 80% live crown).
- No more than a few sooty stem cankers and should not have any open cankers.
- Growing within 50 meters of cankered butternut trees of any size.

If you think you have a candidate or want to learn more about our recovery efforts please contact us at outreach@fgca.net.

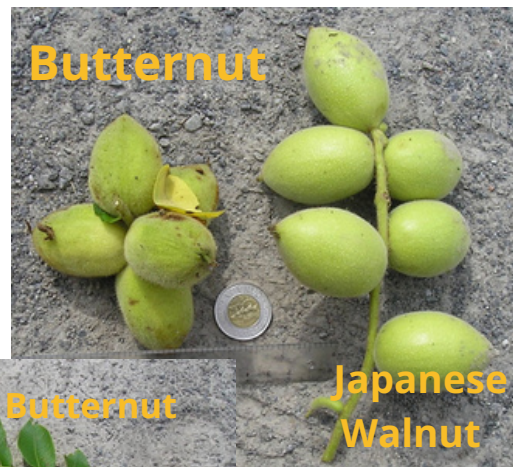
Butternut

Juglans cinerea

Forest Gene Conservation Association

Do you have a Pure Butternut?

One of the most important elements of our butternut recovery program is ensuring that the individuals used are pure butternut. Butternut is known to hybridize with Japanese walnut (*Juglans ailantifolia*). Here are some ways to see if you have a **pure** butternut.



ID Feature	Pure	Hybrid
Catkins	Shorter than 11.5 cm	Longer than 14 cm
Leaf Scar	Top edge of most leaf scars straight or slightly arched	Top edge of most or all leaf scars with clear descending "V" shaped notch
Leaf Drop	Leaves yellow and drop late August to mid-September	Leaves stay green late into the fall and drop after a hard frost
Seed Cluster Stalk	Short, seeds tight together	Long seeds spread out on stalk
Leaf Length	Most leaves less than 46 cm long	Many leaves 46 cm or longer

For more Information visit
Butternut Health Assessment