

EMERALD ASH BORER

FACT SHEET

WHAT IS EMERALD ASH BORER (EAB)?

Emerald Ash Borer (*Agrilus planipennis*) is a flying wood-boring beetle, native to the Eastern Asia, that was first detected in Canada in 2002 and has since killed millions of Ash trees across Canada and the United States. Emerald Ash Borer (EAB) affects all 3 species of Ash trees found in New Brunswick – White, Black, and Green Ash – with approximately 99% of trees dying within 8–10 years.



Actual Size



Credit: Dr. James Zablotny

SIGNS OF EAB INFESTATION

Adult beetles are a metallic emerald colour and are very small: about the size of a grain of rice. Certain signs can indicate an Ash tree is likely affected by Emerald Ash Borer.



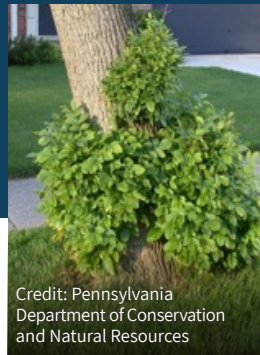
Credit: Jonas Barandon

Crown Dieback – Loss of leaves and dead branches around the top and outsides of the tree



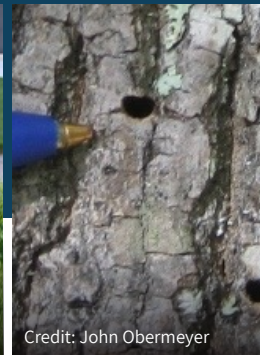
Credit: Kenneth R. Law

Bloning – Smooth, light-coloured sections of the trunk caused by woodpeckers stripping bark off to reach EAB larvae



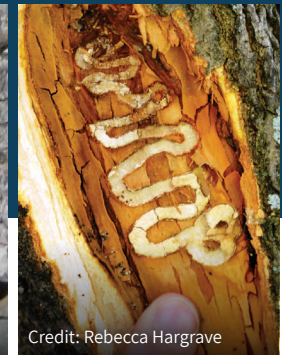
Credit: Pennsylvania Department of Conservation and Natural Resources

Epicormic Shoots (ie. ‘suckers’) – Shoots of new growth at the base of the tree in response to stress



Credit: John Obermeyer

D-shaped Exit Hole – As adult beetles burrow out of Ash trees, they leave a “D”-shaped exit hole in the bark



Credit: Rebecca Hargrave

Larval Galleries – Distinct “S”-shaped tracks under the bark from larvae eating through the wood

WHAT DO I DO IF I FIND/SUSPECT EMERALD ASH BORER (EAB)?

New infestations of EAB should be reported to Canadian Food Inspection Agency (CFIA) at **1-866-463-6017** or to your local Municipality.

Be sure to include the following with your observation:

- Location (be as exact as possible)
- Date of observation
- Photos if possible, and a description of the signs you have observed
- Your contact information for follow-up if needed

Most importantly, **DON'T MOVE FIREWOOD OR WOOD PRODUCTS** you suspect are infested with EAB beetles or larvae.

TAKE ACTION ON EMERALD ASH BORER

Credit: Austin Wehrwein



HOW DO I PREVENT SPREADING EAB?

Buy Local, Burn Local

The movement of infested wood (eg. firewood) is the main cause of EAB spread in Canada.

Follow the guidance below to prevent spreading EAB to new areas of New Brunswick and further throughout your community:

- BUY LOCAL, BURN LOCAL firewood – whether it's at a campsite, cottage, or in your home's fireplace – always source your firewood as close to where you will burn it as possible.
- Don't take leftover firewood home; leave it behind for the next group.
- Check with Provincial & National Parks and campgrounds before arriving for rules regarding firewood; many parks require the wood to be bought within a certain distance from the park, and most National Parks ban outside firewood entirely.



Don't give forest pests like Emerald Ash Borer a free ride; **BUY LOCAL, BURN LOCAL** to help protect our trees and forests!

- Familiarize yourself with the current regulations prohibiting the movement of firewood in New Brunswick by visiting inspection.canada.ca.
- Purchase heat-treated firewood if you need to travel with it. Look for 'Certified Pest/Insect-Free' on the packaging.
- If getting bulk firewood delivered, check with suppliers where they source their product and if it is heat-treated. Do not bring wood chopped down in the city to camps or cottages, and vice versa.

Disposing of yard waste

EAB can be further spread throughout communities by the movement and disposal of yard waste from infested Ash trees.

To avoid spreading EAB through yard waste:

- Burn, compost, or use wood on-site if possible.
- If you cannot dispose of it on-site: chip, bag, and transport to the nearest appropriate disposal facility and inform the facility that it contains Ash.
- Hiring a professional tree service to prune or remove Ash trees is highly recommended, as Ash pose unique safety concerns when being removed, particularly when infested with EAB.



Credit: Ashley Fraser, Ottawa Citizen

FOR MORE INFORMATION ON EMERALD ASH BORER

CFIA Emerald Ash Borer

<https://inspection.canada.ca/plant-health/plant-pests-invasive-species/insects/emerald-ash-borer/eng/1337273882117/1337273975030>

For a map of CFIA regulated areas within Canada and New Brunswick, see:

<https://inspection.canada.ca/plant-health/plant-pests-invasive-species/insects/emerald-ash-borer/areas-regulated/eng/1347625322705/1367860339942>

New Brunswick Invasive Species Council: <http://nbinvasives.ca>

