

## Ash Trees Matter

*Did you know that ash trees...*

- » Help prevent erosion along streams
- » Shade stream banks and wetlands
- » Filter air and reduce stormwater runoff
- » Provide beauty, joy, and shade for communities
- » Are used by indigenous communities to make canoe paddles, tools, and medicines



## Ash Tree ID

Oregon ash (*Fraxinus latifolia*) and planted ash (*Fraxinus* spp.)



- » Leaves have single stem with an odd number of leaflets (above, left)
- » Leaves grow directly opposite each other on the branch (above, center)
- » Fruits are single-winged seeds known as samaras (above, right)
- » Deciduous, drops leaves in fall
- » Fall colors range from yellow to maroon to deep purple

## 4 Ways to Protect Ash Trees from Emerald Ash Borer (EAB)

- 1 Keep ash trees watered**  
Healthy ash trees can survive longer than trees in poor condition.
- 2 Keep an eye on your trees**  
Monitor trees for signs of EAB such as declining canopy, woodpecker activity, cracking bark, and D-shaped bore holes.
- 3 Report EAB sightings**  
Suspected EAB sightings should be reported to the statewide hotline at [OregonInvasivesHotline.org](https://www.oregoninvasiveshotline.org).
- 4 Determine which trees should get treatment**  
Individual trees can be protected before they are infested with EAB using special insecticides injected directly into the tree every 2-3 years. Work with a tree care professional to develop a management plan for your ash trees. Find an ISA-certified arborist near you at [TreesAreGood.org](https://www.treesaregood.org).

For more information visit  
[OregonEAB.com](https://OregonEAB.com)



*Adapted with permission from the City of Portland.  
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## POCKET GUIDE TO IDENTIFYING EMERALD ASH BORER

An Invasive Pest that Kills Ash Trees



*Image credit: David Cappaert, Bugwood.org*

## Emerald Ash Borer ID

### Adults



actual size

- » Shiny emerald green body
- » 3/8–1/2 inch long
- » Large black eyes
- » Emerge between May and August

### Larvae

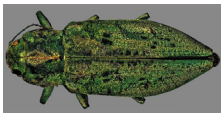


- » Found under bark
- » Creamy white body
- » Bell-like segments
- » Small brown head
- » 1–1.3 inches long

### Adult Lookalikes



Golden Buprestid



Western Cedar Borer

Image credit (left to right top to bottom): Pennsylvania Department of Conservation and Natural Resources - Forestry, Bugwood.org (adult and larva); Steven Valley, Oregon Department of Agriculture, Bugwood.org (buprestid and cedar borer)

## EAB Signs/Symptoms

### Crown Die Back



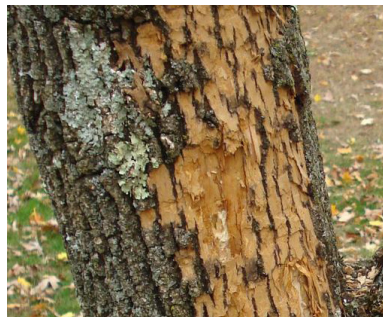
### Shoots from Base/Trunk



Michigan Department of Agriculture, Bugwood.org

## Emerald Ash Borer Damage

### Woodpecker Flecking/Blonding



Kenneth R. Law, USDA APHIS PPQ, Bugwood.org

### Woodpecker Holes



## Emerald Ash Borer Damage

### D-Shaped Exit Holes



### Splitting Bark



### S-Shaped Galleries Under Bark



William M. Ciesla, Forest Health Management International, Bugwood.org