

## Pest Profile



**Photo credit:** Larva: Eric R Day, Virginia Polytechnic Institute and State University; bugwood.org

Adult: Leah Bauer, USDA Forest Service Northern Research Station; bugwood.org

**Common Name:** Emerald Ash Borer (EAB)

**Scientific Name:** *Agrilus planipennis*

**Order and Family:** Coleoptera; Buprestidae

**Size and Appearance:**

	Length (mm)	Appearance
<b>Egg</b>	1mm	Females will lay 60-90 eggs at once in the crevices of ash tree bark
<b>Larva/Nymph</b>	38mm	Flattened; creamy white color; bell shaped segments; have a pincer-like appendage on their last segment; chew S-shaped patterns under the bark
<b>Adult</b>	10-30 mm long 1.5 mm wide	Very small; bright metallic green beetle; elongated and cylindrical in shape; pronotum produced backwards as lobe; wing covers appear slightly duller and dark green
<b>Pupa (if applicable)</b>		Found in chambers under tree bark; begin as creamy white like larvae; then slowly darken to deep shades of brown

**Type of feeder (Chewing, sucking, etc.):** Larvae and Adults both have chewing mouthparts

**Host plant/s:** Various species of ash, such as black ash, blue ash, white ash, and green ash.

**Description of Damage (larvae and adults):** Adults will feed on the leaves of the host plant for about one week after emergence. Then the females will lay eggs in the crevices on ash trees. Upon hatching, the larvae will enter the tree and begin feeding. Larval feeding interrupts the tree's ability to get nutrients properly distributed throughout the tree, which can eventually lead to death of the host.

**References:**

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