

Emerald Ash Borer

Agrilus planipennis

Native of Asia, the Emerald Ash Borer was first introduced to Michigan in 2002. A pest of white, black, red and green ash, as well as several types of horticultural varieties of ash, the Emerald Ash Borer's fastest form of migration is through transportation of infested firewood. It is **not yet present in Rhode Island**.



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Identifying Features:

Adults are golden green or brassy in color with darker, metallic emerald green wing covers. Adults are up to ½ an inch long, with the females being larger than males. Active from mid May to late July, adults feed on leaves leaving irregularly-shaped patches with jagged edges.

Larvae are flattened and range from 1 – 1¼ inches in length. They are a creamy white color, with a pair of brown pinchers. They have a ten-segmented abdomen. Larvae can be found in tunnels beneath the bark of ash trees from June through the fall.



David Cappaert, Michigan State University, Bugwood.org

Damage:

- Larval feeding forms distinct S-shaped tunnels beneath the bark.
- Callus tissue forms in response to larval feeding, thus leaving vertical splits in the bark.
- D-shaped holes, at least ¾ of an inch in diameter, are apparent where adults have exited the tree.
- The upper third of the tree dies back.
- Below the dead portion of the trunk, numerous shoots appear.

Information Sources

[Emerald Ash Borer - Agrilus planipennis](http://www.massnrc.org/pests/pestFAQsheets/emeraldashborer.html), 25 February 2008. 17 February 2009 <<http://www.massnrc.org/pests/pestFAQsheets/emeraldashborer.html>>.

[Emerald Ash Borer, Agrilus planipennis](http://pest.ceris.purdue.edu/searchpest.php?selectName=IINAHQJA), 17 February 2009 <<http://pest.ceris.purdue.edu/searchpest.php?selectName=IINAHQJA>>.

[Forest Pests, 2007](http://www.vermontagriculture.com/ARMES/plantindustry/caps/forestPests/index.html#>), 17 February 2009 <<http://www.vermontagriculture.com/ARMES/plantindustry/caps/forestPests/index.html#>>>

Image Sources

[Emerald Ash Borer - Agrilus planipennis](http://www.massnrc.org/pests/pestFAQsheets/emeraldashborer.html), 25 February 2008. 17 February 2009 <<http://www.massnrc.org/pests/pestFAQsheets/emeraldashborer.html>>.

[Emeral Ash Borer, Agrilus planipennis](http://www.invasive.org/browse/detail.cfm?imgnum=2100048), 11 September 2005. 17 February 2009 <<http://www.invasive.org/browse/detail.cfm?imgnum=2100048>>.