

## **Emerald Ash Borer**

Emerald ash borer (EAB), *Agrilus planipennis* Fairmaire, is an exotic beetle that was discovered in southeastern Michigan near Detroit in the summer of 2002. The adult beetles nibble on ash foliage but cause little damage. The larvae (the immature stage) feed on the inner bark of ash trees, disrupting the tree's ability to transport water and nutrients. Emerald ash borer probably arrived in the United States on solid wood packing material carried in cargo ships or airplanes originating in its native Asia. Emerald ash borer is also established in Windsor, Ontario, was found in Ohio in 2003, northern Indiana in 2004, northern Illinois in 2006 and eastern Pennsylvania in 2007. Since its discovery, EAB has:

- Killed more than 20 million ash trees in Michigan, Ohio and Indiana. Most of the devastation is in southeastern Michigan.
- Caused regulatory agencies and the USDA to enforce quarantines (Indiana, Illinois, Maryland, Michigan, Ohio, and Pennsylvania) and fines to prevent potentially infested ash trees, logs or hardwood firewood from moving out of areas where EAB occurs.
- Cost municipalities, property owners, nursery operators and forest products industries tens of millions of dollars.



Emerald Ash Borer Larva



Emerald Ash Borer Galleries and "D" Shaped Pupal Chambers. Shown with Bark Removed.



Adult Emerald Ash Borer



Emerald Ash Borer "D" Shaped Exit Hole

For more information please go to [http://www.michigan.gov/mda/0,1607,7-125-2961\\_2968\\_18323---,00.html](http://www.michigan.gov/mda/0,1607,7-125-2961_2968_18323---,00.html)

