

Emerald Ash Borer Detected in New Jersey



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TRENTON, N.J. – New Jersey Department of Agriculture officials have confirmed that the emerald ash borer (EAB), an invasive beetle that attacks and kills ash trees, has been found in Somerset County.

A landscaper investigating unhealthy trees in a retail area in Bridgewater last week alerted the department. Inspectors took samples and insect larvae were sent to the U.S. Department of Agriculture's Systematic Entomology Laboratory where the specimens were confirmed.

For the past four years the Departments of Agriculture and Environmental Protection (NJDA and DEP) have participated in an Emerald ash borer survey but none of the beetles were found in the more than 300 traps set up around the state. Emerald ash borer had already been detected in Pennsylvania and New York counties bordering New Jersey.

EAB is now present in 23 U.S. states and two Canadian provinces. It was first discovered in Michigan in 2002 and has since killed tens of millions of trees.

The adult emerald ash borer is a metallic green insect about .5-inch long and one-eighth-inch wide making it hard to detect in the wild. The female beetles lay eggs on the bark of ash trees. The eggs hatch and the larvae bore into the bark to the fluid-conducting vessels underneath. The larvae feed and develop, cutting off the flow of nutrients, eventually killing the tree. EAB attacks and kills North American species of true ash, and tree death occurs three to five years following initial infestation. EAB is native to Asia.

The state will now survey trees in the area surrounding the initial find to determine the extent of the EAB infestation. It is expected that a federal quarantine will be expanded to include New Jersey.

Homeowners who own ash trees can take steps to protect their trees. Treatment products are available at local retail establishments and state-certified pesticide applicators can treat for EAB. Signs of EAB include: canopy dieback beginning at the top of the tree and progressing through the year until the tree is bare; sprouts growing from the roots and trunk; split bark with an S-shape gallery; D-shaped exit holes; and more woodpecker activity, creating large holes as they extract the larvae.

To prevent spread of the beetle, do not move firewood. Firewood is a vehicle for movement of tree-killing forest pests including EAB and Asian long-horned beetle. Use locally-sourced firewood when burning it at home and when travelling, burn firewood where you buy it. Make sure to burn all wood purchased.

Report signs of the beetle to the Department of Agriculture at 609-406-6939.