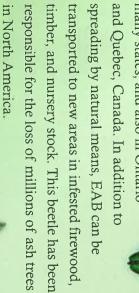
The emerald ash borer,

many states, and also in Ontario discovery. Emerald ash borer the beetle was established in 2002. Evidence suggests that a beetle native to Asia, was Agrilus planipennis Fairmaire, (EAB) has since been detected in Michigan for years prior to its first detected in Michigan in





Host:

of ash of one another on of compound the presence recognized by Ash can be (Fraxinus spp.) infest all species EAB is known to In North America the branches. arranged opposite leaves which are





S-Shaped Galleries

Emergence D-Shaped



Biology:

inner bark and phloem, creating "S"-shaped and bore into the tree where they feed on the bark crevices. Larvae hatch in about one week Eggs are laid between layers of bark and in galleries. Larvae go through four feeding

until the end of summer. early June. Adults will remain active "D"-shaped exit holes in May and adults begin to emerge through Pupation occurs in late spring, and stages, and then excavate a pupal chamber in the fall, where they will overwinter as prepupae.



appearence. It is a predator of small insects and is often mistaken for EAB due to its similar other insects often mistaken for EAB is frequently found on hiking trails. There are This commonly encountered beetle, the sixspotted green tiger beetle, Cicindela sexguttata,

Photographs: James W. Smith, David Cappaert, www.invasive org and PA DCNR

Symptoms and Signs:

damage to the tree may not be apparent for up sometimes apparent. and vertical bark splits. Woodpecker damage is excessive epicormic branching on the tree trunk include branch dieback in the upper crown, to three years. Symptoms of an infestation can New infestations are difficult to detect, as





Dieback





Woodpecker Damage

Bark Splits

Other Stressors

boring insects like the redheaded yellows, and by native wooddrought, diseases such as ash Ash may also be stressed by (Fabricius) which creates a ash borer, Neoclytus acuminatus

round emergence hole. Redheaded Ash Borer

ALERTI

Protect our Forests and Trees.

Help Stop the Movement of Exotic Pests.



DO NOT MOVE FIREWOOD!

Exotic pests like the emerald ash borer can be spread when infested firewood is transported to new areas.

- Do not bring firewood from home.
- Use local sources of firewood.
- If you have brought firewood from home, DON'T take it with you, DON'T leave it—BURN IT!

REPORT!

If you think you have found emerald ash borer, contact one of these offices in your area:

State Department of Agriculture

State Forestry or Natural Resource Agency Cooperative Extension Office

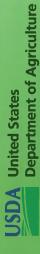
USDA Animal and Plant Health Inspection Service

U.S. Forest Service

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Call Toll Free: 1-800-444-8978 For more information about emerald ash borer please visit:

www.nhbugs.org



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State and Private Forestry

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USDA Forest Service

Northeastern Area

