

Help us control this notorious killer!

If you think you have found the emerald ash borer please contact:

Nebraska Forest Service:
402-472-2944

Nebraska Department of Agriculture:
402-471-2394

USDA-APHIS-PPQ
Nebraska office:
402-434-2345



Landscape trees in Michigan killed by emerald ash borer

All insect and damage photos courtesy of:
Forestry Images: www.forestryimages.org
Cover photo: David Cappaert
Adult on bark: Ed Czerwinski, Ontario Ministry of Natural Resources
Exit hole: David R. McKay, USDA APHIS PPQ
Tunnels: Ed Czerwinski, Ontario Ministry of Natural Resources
Dieback: Joseph O'Brien, USDA Forest Service
Killed trees: Steven Katovich, USDA Forest Service
Ash identification photos: Laurie Stepanek, Nebraska Forest Service

Laurie Stepanek
Nebraska Forest Service



U.S. Department of Agriculture
Animal and Plant Health
Inspection Service
(APHIS)

NDA

Nebraska Department of Agriculture



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WANTED: Dead or ~~Alive~~

Emerald Ash Borer



For killing more than
20 million ash trees
in Michigan, Ohio,
Indiana & Ontario

How to Recognize Emerald Ash Borer



- Slender beetle
 - Emerald-green
 - 1/2 inch long
- └───┘ = 1/2 inch

- D-shaped exit holes in ash bark
- 1/8 inch diameter



- Zig-zag tunnels under ash bark
- Tunnels packed with frass/sawdust

- Dieback beginning at top of ash tree



Emerald Ash Borer Facts

- ✓ Discovered in 2002 killing trees near Detroit, Michigan
- ✓ Native to eastern Asia
- ✓ Kills trees by tunneling beneath the bark
- ✓ Trees usually die within 3 years following infestation
- ✓ Easily transported to new areas in infested firewood
- ✓ Threatens to wipe out Nebraska's 30 million ash trees
- ✓ Kills all North American species of ash* including green, white, black, and blue ash and their cultivars such as:

Marshall's Seedless	Autumn Purple
Patmore	Autumn Applause
Bergeson	Autumn Blaze
Cimmaron	Fallgold
Summit	True Blue

* Emerald ash borer does not attack mountain-ash, which is not a true ash.

How to Recognize Ash Trees



- Compound leaves (5-11 leaflets per leaf)
- Leaflets 2-5 inches long

- Paddle-shaped seeds
- 1-2 inches long
- Some trees are seedless



Ash

Ash twigs occur in pairs on opposite sides of a branch.



Linden

Twigs of many other trees occur singly and alternate from side to side.

Look for signs of infestation in your ash firewood, too!