

## Emerald Ash Borer (EAB) Diagnostic Aid

by Mark Shour & Donald Lewis, ISU Extension

If your ash tree is dying or showing signs of stress, please answer carefully the following questions. If you answer “yes” to one or more of the following questions, you **might** be dealing with EAB; please contact IDALS, ISU Extension or DNR as indicated below.

- Does the ash tree have a thinning crown? Are branches dying at the top?
- Are there numerous ‘water’ sprouts on the trunk just below the dead branches?
- Have you noticed lots of woodpecker activity on the tree trunk?
- Do the ash leaflets have portions that have been eaten along the edge?
- Do you find winding/ S-shaped tunnels underneath the bark?
- Do you find ⅓ inch “D-shaped” holes in the bark?
- Have you found bright metallic green beetles ½ inch long on the tree?

**EMERALD ASH BORER IDENTIFICATION GUIDE**

UNUSUAL SPROUTS ON THE TRUNK (LOOK FOR YEAR-ROUND)

If you suspect Emerald Ash Borer, contact:  
ISU Extension Entomology: 515/294-1101  
DNR: 515/281-5918  
IDALS: 515/725-1470

For more information, visit: [www.emeraldashborer.info](http://www.emeraldashborer.info)  
[www.na.fs.fed.us/fhp/eab/info/info.shtm](http://www.na.fs.fed.us/fhp/eab/info/info.shtm)

**EAB ONLY ATTACKS ASH TREES**

S-SHAPED GALLERIES (LOOK FOR UNDER BARK YEAR-ROUND)

INCHES 1 2 3

ALL PHOTOS ARE ACTUAL SIZE (CLOCKWISE FROM TOP RIGHT)

**EAB ADULT** (LOOK FOR JUNE TO AUGUST)

**EAB LARVA** (LOOK FOR YEAR-ROUND)

**EAB D-SHAPED EXIT HOLE** (LOOK FOR YEAR-ROUND)

1/4"

EXIT HOLES OF NATIVE ASH BORERS ARE LARGER, ROUND OR OVAL

1/8"

1/4"

CENTIMETERS 1 2 3 4 5 6 7 8