

# EMERALD ASH BORER

## WHAT YOU NEED TO KNOW.....

Emerald Ash Borer (*Agrilus planipennis* Fairmaire) or EAB is an exotic beetle that was discovered near Detroit, Michigan in 2002. EAB attacks species of ash trees (*Fraxinus* sp.) to include, green ash, white ash, black ash, and blue ash. EAB will not infect your mountain ash trees such as European mountain ash or American mountain ash as they are not true ash trees (*Sorbus* sp.).

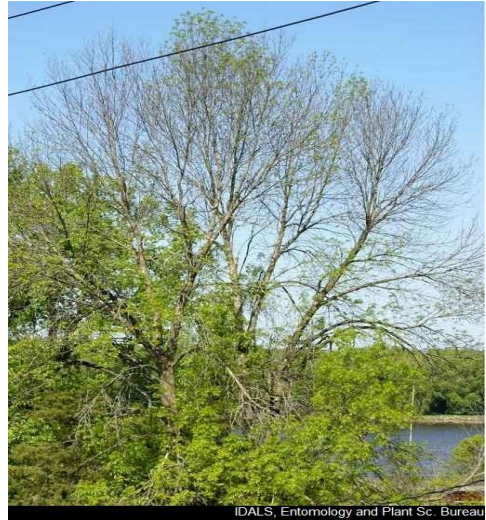
EAB can be identified by several ways. Identifying the beetle, canopy dieback, epicormic shoots arising from the base of the tree, increased wood pecker activity and D-shaped exit holes.

### **Insect Identification**



- Bright, metallic green.
- ½ inch long, flattened backs.
- Purple abdominal segments beneath wing covers.

## Canopy Dieback



- Dieback starts in the top 1/3.
- Progresses until the tree is bare.

## Epicormic Shoots



- Sprouts grow from roots and trunk.
- Leaves are often bigger than normal.

### Increased Woodpecker Activity



- Several Woodpecker species.
- Peck outer bark while foraging.
- Create large holes while extracting insects.

### D-Shaped Exit Holes



- Adults form D-shaped exit holes when they emerge.

Although EAB is not in Spearfish yet, it will arrive here eventually. If you think your tree may have EAB, please contact the City of Spearfish Public Works Office at 605-642-1333 and ask to speak with someone from the Parks, Rec and Forestry Dept. in regards to your tree.

For a current map of EAB infested areas, go to:

[http://www.emeraldashborer.info/files/MultiState\\_EABpos.pdf](http://www.emeraldashborer.info/files/MultiState_EABpos.pdf)

For more information on EAB, its affects, treatments and disposal visit:

<http://www.emeraldashborer.info/>