

EAB Management Tips



Economic Value of Leawood's Ash Street Trees

24% of all ROW trees are Ash
9,134 Ash street trees

Total replacement value = \$13,617,609
Annual Benefits exceed \$524,500

What Do Ash Trees Look Like?

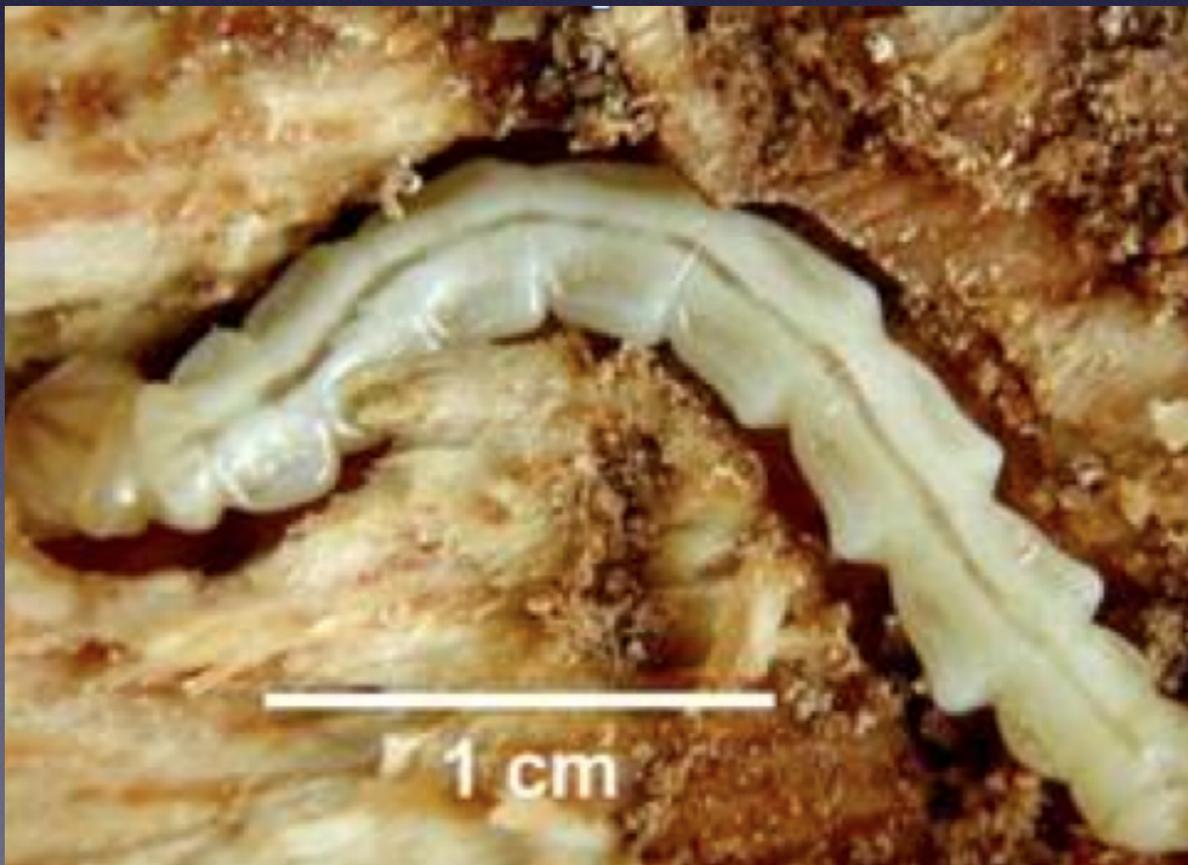
- opposite branching
- compound leaf w/ 7 - 9 leaflets
- ridged bark







**Emerald Ash Borer
With Ash Leaf Notching**

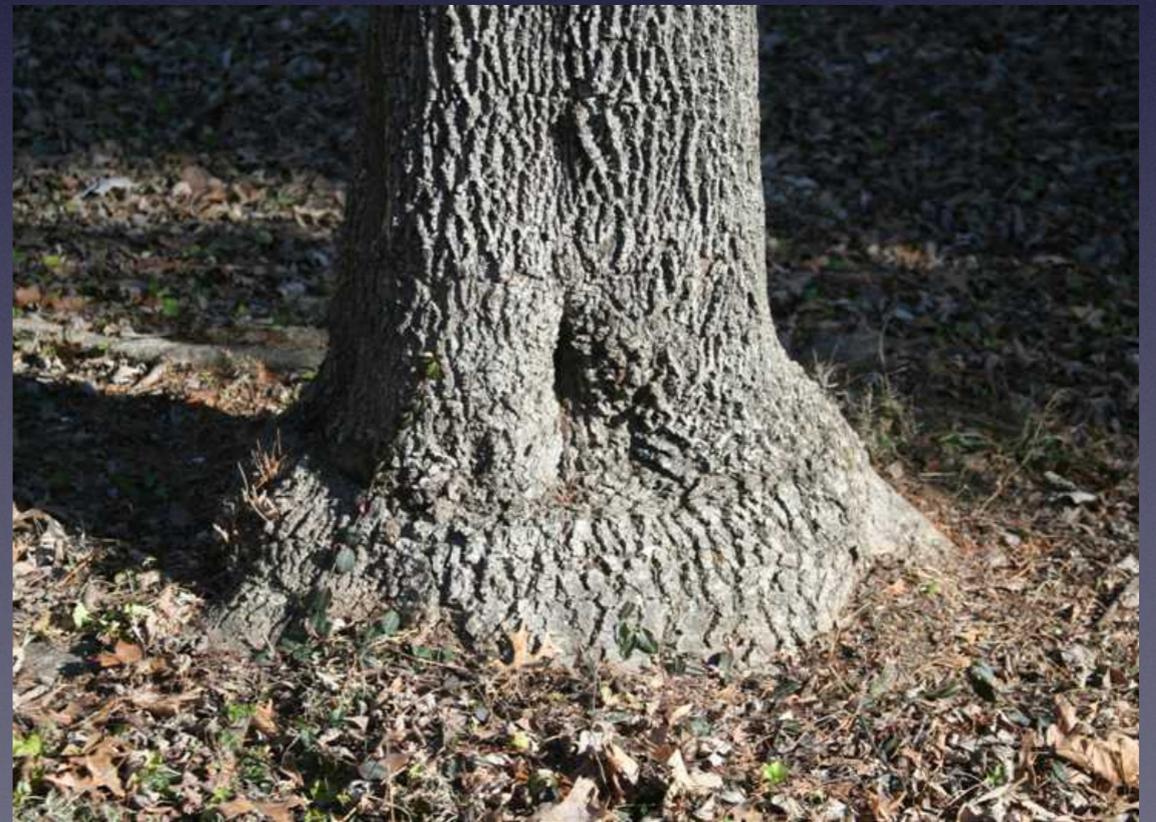


Trees can be treated to prevent EAB infestation

- Trees should be healthy.
- Must be on a treatment plan for the entire life.
- Should be worth the long term investment.
- How does the tree contribute to the landscape.

Healthy Ash VS Unhealthy Ash





3 treatment options

- Emamectin Benzoate(TREE-age) - Pros: trunk injected by professional arborist, 2 years of protection. Cons: damages tree by drilling
- Imidicloprid(Merit, Mallet, Bayer) - Pros: soil drench, no tree wounding, can be done by homeowner, must be done yearly. Cons: Best for trees less than 10" DBH, Can be slow to absorb.
- Dinotefuran(Safari, Transtect, Xylam) - Pros: Bark Spray, no tree wounding, must be done yearly, professional use only. Cons: chemical costs more.

Professional Arborists

- Are Certified Arborist by International Soc. of Arboriculture and Kansas Arborist Assoc.
- Are Certified Pesticide Applicators and licensed by the State of Kansas
- Are Insured - this is a requirement for Kansas Arborist Certification
- A listing of certified arborists is available at www.johnson.k-state.edu/lawn-garden/emerald-ash-borer.html

In Summary

- EAB is in Kansas City & Its time to act.
- Valuable trees, worth saving, can be.
- Trees must be treated continually.
- Infested trees must be removed by ordinance.

EAB Management of City-Owned Ash Trees

- Inventory - record DBH/Condition
- Treatment Decision
- Removal
- Replanting



Inventory Results

as of 2012

- 436 City Ash Trees
- Treat the best
- Remove and replace the rest over a 6 year period



Treatment Decision

- Treated 90 trees beginning in 2012, next 90 in 2013 using TREE-age - spreads the costs.
- Use Dinotefuran on difficult to inject trees and other special situations.
- We don't use Imidicloprid any longer.

Remove and Replant

- Removed 121 poor condition or small trees
- Will remove 135 untreated trees as time allows.
- Replanting 256 Ash Trees over 6 years.



Sample List of Excellent Replacement Trees

Elm

Ginkgo

Oak

Kentucky Coffeetree

Zelkova

Hophornbeam

Tulip Tree

Lilac Tree

Questions?