



EAB Toolbox

Ways to Manage Emerald Ash Borer in Your Community



Within the last few years several new tools have been added to the Emerald Ash Borer (EAB) management ‘toolbox.’ This has resulted in support for ash canopy conservation as an ecologically and economically superior management option to sustain the ash canopy in communities.

The tools in our toolbox have helped make conservation of ash canopy a viable EAB management strategy. Each community will arrive at its own unique management plan for EAB. Ash tree conservation is a flexible approach that represents a middle ground between planned ash removal and long-term ash preservation, and has science-based applications to support and implement it.

For more information on combating EAB in your community, visit SMA at www.urban-forestry.com and check out the *SMA EAB Position Paper* and our page of *EAB-related web links*.

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SOCIETY OF MUNICIPAL
ARBORISTS



EAB Toolbox

9 Ways to Manage Emerald Ash Borer in Your Community



4 NEW TOOLS



Green Leaf Volatile Trap Method

Can provide reliable, cost-effective detection within a community and should be considered a necessary complement to trapping surveys conducted by other agencies.



Branch Sampling

Can detect EAB at low populations with high success. It can be used as an early warning system. Can be combined with GIS mapping to show EAB "footprint". No need to wait for late-stage (D holes) indicators to confirm an infestation.



Treatment

Based upon Strategic EAB Management planning and identification of crucial zones, treatment with pesticides shown to be effective can limit EAB spread, especially into and within targeted areas to conserve ash canopy.



Hyperspectral Imagery

Can generate mapping to indicate overall ash canopy within a community, greatly enhancing the ability to plan strategically and to assist in public outreach, especially for ash populations on private property.

5 EXISTING TOOLS



i-Tree Analysis

Provides a baseline of existing forest canopy cover and assists in quantifying the threat of EAB in a community.

GIS Inventory

Inventory of street, park & woodland trees to map where future Ash Treatment, Ash Removal, and Replacement Plans will be scheduled.

5-Year Operating Plans

Needed to develop short-term objectives and to maintain goals of Strategic Management Plan.

EAB Strategic Management Plan

Provides a major means of setting long-term goals, staged budgeting, and EAB control strategies.

Communications Plan

Crucial in engaging the community and keeping the public informed of progress and activities.

