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# ALB and EAB Update

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## Forest Pest Program Delivery

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## Topics

- PART 1
  - Asian longhorned beetle (ALB)
  - Emerald ash borer (EAB)
- PART 2
  - Discussion: Lessons learned / ideas for the future






Photo: Lee Spaulding

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# ASIAN LONGHORNED BEETLE



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## Asian Longhorned Beetle infestations in North America




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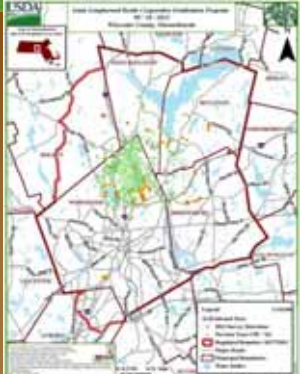
## New York and New Jersey



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## Worcester County, MA




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## Boston, MA



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## Clermont County, OH



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## ALB is being successfully eradicated!

Location	Year Eradication Declared or Projected
Jersey City, NY	2008
Chicago, IL	2008
Islip, NY	2011
Union/Middlesex Counties, NJ	2013
Manhattan, NY	2013
Staten Island, NY	2014
Boston, MA	2015



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## Dynamic Program

- More emphasis on site specific solutions
- Continue to pilot new detection methods
- Expanding treatment options
- Developing tools for movement of regulated articles



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## Cooperation

- NY Dept. of Agriculture & Markets
- NY Dept. of Environmental Conservation
- NJ Dept. of Agriculture
- NJ Dept. of Environmental Protection
- MA Dept. of Conservation & Recreation
- MA Dept. of Agricultural Resources
- Ohio Dept. of Agriculture
- Ohio Dept. of Natural Resources
- Ohio EPA
- U.S. Forest Service
- U.S. Army Corp of Engineers
- U.S. Fish and Wildlife Service
- Rutgers University
- Ohio State University
- NYC Dept. of Parks and Recreation
- Trees New York
- City of Linden Div. of Public Works
- The Nature Conservancy
- Worcester Tree Initiative
- Impacted local leaders, town & city officials
- Local residents

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## EMERALD ASH BORER




Plant and Diagnostics Department, APHIS, www.aphis.usda.gov

UGA2159012

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## The Resource We're Protecting



- Area of CONUS
  - 6,930,196 sq. km
- Native range of ash
  - 4,172,634 sq. km
- Federal Quarantine
  - 777,159 sq. km
  - 19% of ash range
- Infested Counties
  - 460,303 sq. km
  - 11% of ash range

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## EAB Distribution and Quarantines



- 16 States have EAB
- 300,063 square miles under Federal quarantine (does not include CT)

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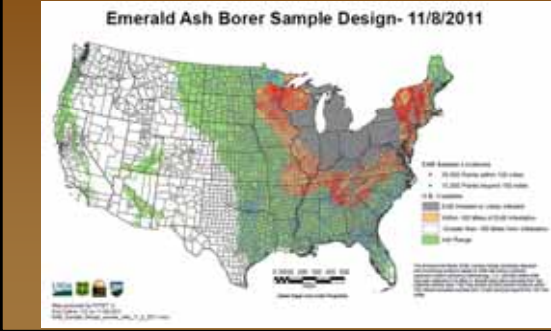
## 2012 New County Records



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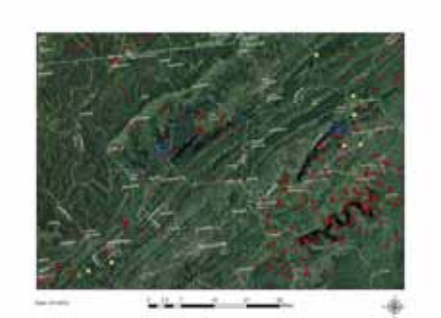
## 2012 Survey Strategy

**Emerald Ash Borer Sample Design- 11/8/2011**



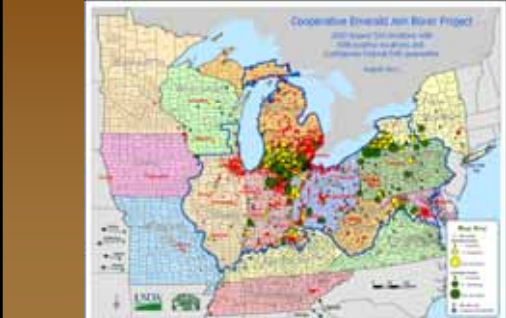
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## Close Correlation



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## Change in Regulatory Structure



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## What Contiguous Quarantine Means

**Cooperative Emerald Ash Borer Project**  
Phase I: Quarantine & National Survey  
July 1, 2008

Map showing quarantine zones (Yellow, Orange, Red) across the United States, including Minnesota, Wisconsin, Illinois, Indiana, Michigan, Ohio, Pennsylvania, New York, and Kentucky.

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## Biocontrol

**Spathius agrili**

**Tetrastichus planipennis**

**Egg Parasitoid - Oobius agrili**

Photos from John Lelito

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## Spending by Program Activity

Year	National Survey	Edge Survey	Regulatory and Operations	Biocontrol Development and Distribution	Outreach	Research
2008	12	2	3	2	1	1
2009	11	2	3	2	1	1
2010	12	2	3	2	1	1
2011	13	2	3	2	1	1
2012	10	2	3	2	1	1
2013	1	1	1	1	1	1

Note: 2013 spending is estimated and based on a projected \$4.85 million appropriation.

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## Direction of EAB Program

- What will APHIS' EAB funding level be in the future?
- Which EAB program elements and activities provide the most value and need to be continued?
- Of those program elements we continue to pursue, how much of the limited funding we'll have do we devote to each?
- What can others contribute?
- How might everyone's efforts best be aligned and coordinated?

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## Questions about ALB or EAB?

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## PART 2

### DISCUSSION: LESSONS LEARNED / IDEAS FOR THE FUTURE

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## Lessons learned / ideas for the future



- What can we do ahead of time to reduce the impact of programs on affected communities?
- How can we work better together to deliver our forest pest programs?
- What can we do together to build or cultivate community support for our forest pest programs?
- How can we more effectively leverage existing resources to detect pests before they can establish?
- Are there other agencies or organization we should be working with?