

Emerald Ash Borer Survey Report

Year:	2012
State:	Maryland
Cooperative Agreement Name:	Emerald Ash Borer Survey
Cooperative Agreement Number:	12-8224-0408-CA
Project Funding Period:	January 2012 – December 2012
Project Report:	Emerald Ash Borer
Project Document Date:	February 20, 2013
Cooperators Project Coordinator:	Maryland Dept. Agriculture, Dick Bean
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Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" type="checkbox"/>

A. Write a brief narrative of work accomplished. Compare actual accomplishments to objectives established as indicated in the work plan. When the output can be quantified, a computation of cost per unit is required when useful.*

- Inventory and delimiting surveys were performed and are ongoing
- MDA participated in the periodic conference calls
- MDA Website was updated to include the new USDA EAB quarantine and other survey information.
- Outreach activities were conducted targeting industry, practitioners, and the public.
- All traps were set out and monitored
- Biological control releases of the three available parasitoids were made at twelve different release sites. Release totals in 2012 are: 2,217 *Oobius agrili*; 9,092 *Spathius agrili* and 20,242 *Tetrastichus planipennis*. Biocontrol releases began on June 8, 2012 and ended on October 25, 2012.
- Known infested trees were used to stock walk-in cooler to supply production room for adult emergence.
- Hatching/rearing room was maintained at the Cheltenham facility to collect emerged adults
- Emerged adults were supplied to ARS BIIR lab in Newark DE in weekly shipments for parasitoid rearing
- Assisted in collecting biocontrol emergence field data
- Assisted Methods Development with a trap trial
- Assisted with ARS and a post-doc at the University of MD, College Park on parasitoid dispersal research
- Seasonal contractual labor force was hired worked on the trap survey from April 9, 2012 – August 28, 2012.
- Homeowner requests of possible EAB infested trees were investigated
- Tropical ash (*F. uhdei*) production is continuing in the Cheltenham and Annapolis greenhouses to supply ash sticks and leaves for biocontrol agent rearing in Brighton, MI.

Funding Amount	Total Number of Traps	Cost Per Unit
Proposed = \$351,200.00	Proposed = 500	Proposed= N/A*
Actual = \$351,200.00	Actual = 501	Actual = N/A*

*Traps supplied by the national program.

1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	Emerald Ash Borer	<i>Agrilus planipennis</i>

	Proposed	Actual
Sites - National/Polygon Survey:	225	226
Traps:	EAB Purple Sticky Traps	EAB Purple Sticky Traps

Sites - High Risk Survey	275	275
Traps:	EAB Purple Sticky Traps	EAB Purple Sticky Traps
Sites - USDA Trap Trial Survey	40	40
Traps:	EAB "NEW" Purple Sticky Traps & Green Lindgren Funnel Traps	EAB "NEW" Purple Sticky Traps & Green Lindgren Funnel Traps

Number of Counties:	23 + Baltimore City
Counties:	Allegany, Anne Arundel, Baltimore, Baltimore City, Calvert, Caroline, Carroll, Cecil, Charles, Dorchester, Frederick, Garrett, Harford, Howard, Kent, Montgomery, Prince George's, Queen Anne's, St. Mary's, Somerset, Talbot, Washington, Wicomico, Worcester

2. Survey dates:

	Proposed	Actual
Survey Dates-National/Polygon Survey:	April 2012 – August 2012	April 2, 2012 – August 21, 2012
Survey Dates-High Risk Survey:	April 2012 – August 2012	April 2, 2012 – August 21, 2012
Survey Dates-Trap Trial Survey:	April 2012 – August 2012	April 2, 2012 – August 21, 2012

3. Benefits and results of survey:

	Positive	Negative	Total Number
Traps-National Survey	2	224	226
Traps-High Risk Survey	12	263	275
Traps-USDA Trap Trial Survey	14	26	40

3a. Trap Check/Service Totals

	Positive Trap Checks	Negative Trap Checks	Total Number of Trap Services
Traps-National Survey	2	1128	1130
Traps-High Risk Survey	14	1361	1375
Traps-USDA Trap Trial Survey	22	178	200

4. Database submissions: All data has been entered into the IPHIS and NAPIS databases.

B. If appropriate, explain why objectives were not met.*

All objectives were met.

C. Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000. *

There were no cost overruns.

**indicates information is required per 7 CFR 3016.40 and 7 CFR 3019.51*

Approved and signed by



Date: 2/20/2013

Cooperator

(Digitally signed by Dick Bean)

Date: _____

ADODR