

Indiana Cooperative Agricultural Pest Survey

2016 Infrastructure Annual Report

1 January – 31 December



Department of Entomology at Purdue University
Indiana Department of Natural Resources (IDNR)
United State Department of Agriculture (USDA), Animal and Plant Health Inspection Service
(APHIS), Plant Protection and Quarantine (PPQ)

Prepared by Larry W. Bledsoe
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Purdue University

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INDIANA DEPARTMENT OF
NATURAL RESOURCES

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APHIS

Year:	2016
State:	Indiana
Cooperative Agreement Name:	Indiana Agricultural Pest Surveys (CAPS) 2016
Cooperative Agreement Number:	16-8218-0332-CA
Project Funding Period:	1 January 2016 – 31 December 2016
Project Report:	CAPS Infrastructure
Project Document Date:	30 March 2017
Cooperators Project Coordinator:	Larry W. Bledsoe
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Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" type="checkbox"/>

Compare actual accomplishments to objectives established as indicated in the workplan. When the output can be quantified, a computation of cost per unit is required when useful.*

The infrastructure work plan defines the responsibilities and logistics of funding for the State Survey Coordinator (SSC). The SSC position is maintained at Purdue University, Department of Entomology by cooperative agreement with the Indiana Department of Natural Resources (IDNR). The SSC manages an office and laboratory with one to two temporary employees. The SSC creates a committee that oversees the direction and scope of the state surveys. The SSC is responsible for administration, planning and executing surveys. The level of commitment ranges from full responsibility for all aspects of surveys to developing collaborations that increase the efficiency of funding for other surveys. The SSC collaborates with state USDA-APHIS PPQ staff, Indiana Department of Natural Resources, and Purdue University on Exotic Woodborer/Bark Beetle, Nursery and Retail Plant surveys, and other surveys. Responsibilities include taxonomic prescreening of several thousand samples covering several taxa and includes uploading the results. The SSC takes advantage of outreach opportunities. The SSC maintains a website, Indiana's Most Unwanted Invasive Plant Pests < <https://extension.entm.purdue.edu/CAPS/>>.

Accomplishments

Objective 1. Maintain a State Cooperative Agricultural Pest Survey Committee that will meet at least once a year to discuss fostering goals of CAPS.

1a. State CAPS Primary Committee:

Cooperative Agreement Representative: Megan Abraham

State Plant Regulatory Official (SPRO): Indiana Department of Natural Resources
Division of Entomology and Plant Pathology
402 West Washington, Room W-290
Indianapolis, Indiana 46204

State Plant Health Director (SPHD): Gary Simon
USDA APHIS PPQ
1305 Cumberland Ave, Suite 102
West Lafayette, Indiana 47906

Department of Entomology Dr. Steve Yaninek
901 West State Street
West Lafayette, Indiana 47907

State Survey Coordinator (SSC): Larry W. Bledsoe
Purdue University, Department of Entomology
901 West State Street
West Lafayette, Indiana 47907

1b. CAPS advisory committee

Name	Organization	Discipline
Bruce Bordelon	Purdue University	Horticulture
Tom Creswell	Purdue University	Plant Disease Diagnostics
Dr. Peter Hirst	Purdue University	Horticulture
Dr. Jeffery Holland	Purdue University	Entomology, Forest Landscape Ecol
Michelle Mikula	USDA-APHIS	Pest Survey Specialist
Dr. Chris Oseto	Purdue University	Entomology/ Identification
Gail Ruhl	Purdue University	Plant Disease Diagnostics
Dr. Cliff Sadof	Purdue University	Ornamental Pests/ Identification
Cindy Music	Purdue University	National Ag Pest Information Sys
Dr. Robert Waltz	Purdue University	Indiana State Chemist
Dawn Slack	The Nature Conservancy	Plant Ecology/Identification

1c. Committee Meetings:

14 June 2016. Full committee: Meeting purpose was 2015/2016 program review and 2017 infrastructure and survey planning.

Objective 2. Have representation at National and/or Regional annual meetings.

2a. SSC attended the Central Plant Board Annual Meeting, Fargo, ND (11-13 April 2016).

Objective 3. Utilize Cooperator and APHIS program funding, as outlined in the Financial Plan within the authorized parameters to support survey activities.

3a. Surveys completed (pest detection funds). Planning/logistics, deployment, monitoring for; 1. Soybean Commodity (five counties), 2. Corn Commodity (state-wide counties), 3. Nursery and Retail Plants (state-wide counties), and 4. Exotic Wood Borers/Bark Beetles (statewide counties). See data in survey report.

Objective 4. Cooperate with collaborating agencies carrying out field surveys, trapping, and data collection, setting emphasis on pest/diseases that may pose an immediate risk to agriculture. SSC coded and uploaded Indiana information.

	Counties	Pos	Neg	Total
4a. Emerald Ash Borer, <i>Agrilus planipennis</i>	2	2	0	2
4b. Karnal Bunt, <i>Tilletia indica</i>	36	0	49	49
4c. Brown Marm. Stink Bug, <i>Halyomorpha halys</i>	1	1	0	1
4d. Sugarcane aphid, <i>Melanaphis sacchari</i>	1	1	0	1
4e. Khapra Beetle, <i>Trogoderma granarium</i>	4	0	90	90

Objective 5. Take advantage of outreach opportunities.

- 5a. SSC provided fifteen programs to Indiana Master Gardener/Master Naturalist/public meetings in which invasive species were discussed.

Activities:

Committee Service:

Indiana Invasive Species Council (participant/secretary). 11 March, 11 November.
 Invasive Plant Advisory Committee. 28 June.
 Tri-State Certified Crop Consultants annual meeting planning. 22 March, 27 June.
 Purdue Entomology Department Safety committee. 5 February, 24 February.

Outreach and Education:

- **Interviews (TV/Radio/Newspaper/Magazines):**
- **Outreach materials (Pamphlets/ brochures/ posters):**
- **Publications:**
- **Public service announcements (PSA):**
- **Website Views:** 264
- **Invited presentations:** Fifteen Master Gardener/Master Naturalist/public programs where invasive species topics were presented.

Meetings:

- **Conference calls:** Monthly CAPS updates with Indiana Natural Resources personnel; 8 January, 8 February, 18 April, 13 June, 11 July, 9 August, 12 September, 14 November. PPQ EWB collaborators; 4 February, 31 October; SSC updates, 10 February, 19 July, 12 December
- **Conferences:** Tristate Crop Consultants Annual Conference, 13-14 December.
- **Webinars**

Training: State coordinator self study: taxonomic prescreening of bark beetles (Scolytinae), noctuid moths (Noctuidae), metallic wood boring beetles (Buprestidae), and longhorn beetles (Cerambycidae). Exotic bark beetle workshop at the Central Plant Board SSC breakout session, 12 April 2016. Indiana Pesticide Applicators License exam, 28 March 2106

Other: CAPS web site review, update and development

If appropriate, explain why objectives were not met.* All objectives and pest detection surveys were completed.

Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000.* There were no cost overruns.

Supporting Documents: none

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

Approved and signed by

Megan Abraham

Megan L. Abraham (Cooperator)

Date: 3-21-17

Gary W. Simon (ADODR)

Date: _____