

# Indiana Cooperative Agricultural Pest Survey

## 2019 Annual Report for Infrastructure

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  
Department of Entomology  
Purdue University

11 February 2020

Pest Detection / CAPS Infrastructure Accomplishment Report – FY2019

<b>Year:</b>	2019
<b>State:</b>	Indiana
<b>Cooperative Agreement Name:</b>	Indiana Agricultural Pest Surveys (CAPS) 2019
<b>Cooperative Agreement Number:</b>	19-8218-0332-CA
<b>Project Funding Period:</b>	1 January 2019 – 31 December 2019
<b>Project Report:</b>	<b>PD / CAPS Infrastructure Report</b>
<b>Project Document Date:</b>	31 March 2020
<b>Cooperators Project Coordinator:</b>	Larry W. Bledsoe
<b>Name:</b>	Megan L. Abraham
<b>Agency:</b>	Indiana Department of Natural Resources
<b>Address:</b>	402 West Washington, Room W-290
<b>City/ Address/ Zip:</b>	Indianapolis, Indiana 46204
<b>Telephone:</b>	317-232-4198
<b>E-mail:</b>	MAbraham@dnr.IN.gov

Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" type="checkbox"/>

## Pest Detection / CAPS Infrastructure Accomplishment Report – FY2019

### **A. 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.**

The primary objectives of this infrastructure agreement include the administration of the development, coordination, execution, and archiving results of surveys intended to detect and/or monitor exotic pest threats to commodities and natural resources that are of National and Indiana concern. To this end, funding supports a full time State Survey Coordinator (SSC) who is jointly supervised by the Indiana Department of Natural Resources (IDNR) and Purdue University Department of Entomology. Infrastructure emphasis will be placed on meeting the administrative challenges of survey, pest sample processing, identification, and archiving organisms obtained via program survey and cooperative activities/surveys with IDNR, APHIS PPQ, and with the Purdue Plant Pest and Diagnostic Laboratory (PPDL). SSC outreach will occur by invited presentations, a web presence, and dialog with stakeholders.

The Indiana SSC position was administered by IDNR, Division of Entomology (cooperator) through a service contract extended to Purdue University Department of Entomology.

Survey planning and administration began in the latter months of 2018 and early in 2019 and involved close interaction with USDA-APHIS Indiana collaborators and Purdue University. Trapping pathways and methods were established during this period.

Recruitment and hiring of summer staff occurred in late winter/early spring of 2019. Participation in the Central Plant Board annual meeting occurred 15-18 April. Final planning and coordination of survey activities and intern training consumed much of the attention of the SSC during April/May. Due to budget constraints, the number of summer interns was reduced resulting in the SSC performing many of the field and lab duties.

A CAPS committee met on 9 July to review SSC performance, review 2019 surveys to date, and plan 2020 surveys.

#### State CAPS Primary Committee:

Recipient Organization's Cooperating Representative (ROCR) State Plant Regulatory Official (SPRO)	Megan L. Abraham Indiana Department of Natural Resources Division of Entomology and Plant Pathology
---	---

State Plant Health Director (SPHD): Authorized Departmental Officer's Designated Representative (ADODR)	Gary Simon USDA APHIS PPQ
---	------------------------------

Department of Entomology Professor of Entomology	Dr. Steve Yaninek
---	-------------------

Indiana State Survey Coordinator (SSC) Larry W. Bledsoe  
Purdue University, Department of Entomology

## Pest Detection / CAPS Infrastructure Accomplishment Report – FY2019

### Supporting committee

Name	Organization	Discipline
Dr. Bruce Bordelon	Purdue University	Horticulture
Dr. Tom Creswell	Purdue University	Plant Disease Diagnostics
Nick Barc	USDA-APHIS	Pest Survey Specialist
Dr. John Bonkowsky	Purdue University	Plant Disease Diagnostics
Dr. Jeffery Holland	Purdue University	Entomology, Forest Landscape Ecology
Dr. Chris Oseto	Purdue University	Entomology/ Identification
Dr. Cliff Sadof	Purdue University	Ornamental Pests/ Identification
Cindy Music	Purdue University	National Ag Pest Information Svc
Dawn Slack	The Nature Conservancy	Land Stewart

Planning for 2020 surveys, committee meeting, phone calls, and document preparation consumed the later part of July and most of August. Specimen sampling, prescreening, and identification constituted a major portion of effort of all staff during the summer and fall. Limited outreach activities involved four invited presentations to the Indiana Master Gardener Program in spring and fall.

#### • Activities:

##### -Pest Detection / CAPS Survey Work:

1. Surveys directly and indirectly managed by the SSC included corn commodity, soybean commodity, nursery and retail plants, and exotic wood borer/bark beetle.

##### - Other APHIS or State Survey Work:

1. The SSC coded and/or uploaded Indiana data from state and federal gypsy moth survey, and federal Farm Bill Specialty Crops Survey.
2. The SSC coded and uploaded USDA surveys for karnal bunt of wheat and for khapra beetle.
3. Taxonomic assistance was provided for the Indiana Farm Bill Specialty Crops Survey.

##### - Committee Service:

1. The SSC was a non-member secretary for two of the quarterly meetings of Indiana Invasive Species Council. This Council is appointed by the governor of Indiana.
2. The SSC was a participant on the Purdue University Cooperative Extensive Service Invasive Species Working Group.
3. The SSC was a member of the Indiana Invasive Plant Advisory Committee.

#### • Outreach and Education:

Interviews (TV/Radio/Newspaper/Magazines): none  
Outreach materials (Pamphlets/ brochures/ posters): none  
Publications: none  
Public Service Announcements (PSA): none

## Pest Detection / CAPS Infrastructure Accomplishment Report – FY2019

- Meetings:

Indiana Invasive Plant Advisory Committee meeting, 30 October.  
Indiana Invasive Species Council, 19 February, 23 July.

- Conference calls:

1. Monthly CAPS updates with Indiana Natural Resources personnel, 14 Jan, 11 Feb, 11 Mar, 8 Apr, 13 May, 10 Jun, 8 Jul, 19 Aug, 9 Sept, 9 Oct, 9 Dec.
2. Conference call with PPQ collaborators, 14 May.
3. SSC conference call, 11 Feb, 1 Aug
4. Purdue University Cooperative Extension Service Invasive Species Working Group 25 Feb., 14 Aug, 19 Sept, 15 Oct.

- Conferences:

1. Central Plant Board 15-18 April, Madison Concourse Hotel, 1 West Dayton St. Madison, WI 53703

- Webinars:

1. 2020 National Pest Surveillance Guidelines, Cindy Music, 17 July, online review.
2. CAPS Survey Planning Page, Cindy Music and Lisa Jackson, 4 Dec.

- Training:

1. SSC self-study: taxonomic prescreening of bark beetles (Scolytinae), noctuid moths (Noctuidae), metallic wood boring beetles (Buprestidae), and longhorn beetles (Cerambycidae).

- Other:

1. The Indiana CAPS website had 12,466 unique page views.

**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.\* CAPS funds were fully expended without cost overrun.

**D.** Supporting Documents. none

---

*\*indicates information is required per 7 CFR 3016.40 and 7 CFR 3019.5*

Approved and signed by



\_\_\_\_\_  
Megan L. Abraham (Cooperator)

Date: 3-4-20

Pest Detection / CAPS Infrastructure Accomplishment Report – FY2019

---

Gary W. Simon (ADODR)

Date: \_\_\_\_\_