

Pest Detection/CAPS Infrastructure Accomplishment Report – FY2023

Year:	2023
State:	Connecticut
Cooperative Agreement Name:	Cooperative
Cooperative Agreement Number:	AP23PPQFO000C114
Project Funding Period:	05/01/2023 – 04/30/2024
Project Report:	PD/CAPS Infrastructure Report
Project Document Date:	08/5/2024
Cooperators Project Coordinator:	State Survey Coordinator
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Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" type="checkbox"/>

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.*

- Activities:

- *Pest Detection / CAPS Survey Work:*

- Develop workplans and budgets and complete all reporting requirements as stated in the agreements; keeping the SPRO and SPHD updated on any changes as they occur.
 - Prepared and submitted 2022 final reports for CAPS and PPA (2022 Grape Commodity Survey, 2022 *P.ramorum* Survey, 2022 CAPS Survey, 2022 CAPS Infrastructure)
 - Negotiated workplans for 2024 (2024 CAPS Survey, 2024 CAPS Infrastructure, 2024 Orchard Commodity Survey)
- Manage resources and personnel necessary to complete the CAPS survey goals.
 - Manage and organize 2023 CAPS survey supplies
 - Document required survey supplies for 2024 CAPS survey
- Develop data collection methods and train personnel on them prior to survey.
 - Prepared and uploaded 2023 CAPS/PPA Negative Data into appropriate databases, such as NAPIS.

- *Other APHIS or State Survey Work:*

- SSC will maintain contact with cooperators, growers` groups, and industry and landowner associations, forwarding relevant pest information and invitations to participate in upcoming CAPS/PPA surveys.
 - Provided factsheets regarding current pests to nurseries and vineyards in 2023 surveys
- SSC will respond to pest inquiries from the public and industry partners, tracking how they heard of the program, what they called about, method of report, date of report, and outcome.
 - Responded to inquiries from current nursery owners/workers
 - Forwarded inquiries to CAES Insect Inquiry Office
- SSC will assist in responses to trace forwards and CAPS related pest inquiries.
- SSC will screen and respond to questions and requests for pest information from the NAPIS database.
 - Responded to various questions and inquiries from nurseries regarding pests and diseases seen throughout the summer
- SSC will attend relevant growers` meetings and conferences, to educate/update groups on CAPS program and mission, as well as current surveys and pests of concern.
 - June 13, 2023 – Attended CT Pomological Society; provided orchard growers with relevant information about the CAPS program and contact information
- SSC will create a spreadsheet of cooperators and stakeholders including information about their role in CAPS or other pest response activities.
 - Generating a spreadsheet of previous and newly recruited cooperators and stakeholders from various outreach and growers` meetings

- *Committee Service:*
 - SSC will maintain a CAPS Committee that meets twice a year to discuss the CAPS goals and to keep partners and stakeholders engaged in the CAPS program.
 - Scheduled 2023 Summer CAPS Committee Meeting on July 18, 2023
 - SSC will invite new members to participate in the CAPS committee meetings and disseminate the CAPS meeting minutes to partners and stakeholders who are unable to attend.
 - Updated CAPS Committee on CAPS webpage – Replaced Mary Concklin with Evan Lentz for UCONN, added new CAES entomology scientists: Dr. Kelsey Fisher and Dr. Hany Dweck.
 - Added 2023 CAPS Survey and Infrastructure Workplans, 2023 CAPS Pest List
- Outreach and Education:
 - Interviews (TV/Radio/Newspaper/Magazines):
 - SPRO and/or SSC will provide information to media outlets as requested.
 - Providing information to various writers for articles and online media
 - Outreach materials (Pamphlets/ brochures/ posters):
 - SSC will obtain or create fact sheets about the 2023 survey pests to give to cooperators. SSC will mail survey information packets and pest fact sheets to growers participating in pest surveys.
 - Updated and distributed factsheets to participating nurseries regarding pests for 2023 surveys
 - SSC will update CAPS program and pest information posters for display at grower meetings.
 - Updated and created new posters for various outreach events highlighting CAPS program
 - Throughout the year, SSC will provide CAES webmaster with updates to the CAES CAPS webpage, including pest information, fact sheets, work plans, committee meeting minutes and reports.
 - Updated CAPS contact information on the CAES CAPS website
 - Updated CAPS Committee List on CAES CAPS website
 - SSC will work on enhancing web presence of CAPS webpage.
 - Editing and preparing for updating and refreshing CAES CAPS website
 - Publications:
 - SSC will produce and/or update relevant fact sheets for pests targeted in the 2023 CAPS and PPA surveys.
 - Generated new factsheets for pests that did not have updated or current information
 - Public Service Announcements (PSA):
 - CAES will produce press releases regarding any new state detection of pests.

- Meetings:
 - Conference calls:
 - SSC will join in on bi-monthly regional CAPS SSC conference calls.
 - Attended monthly State Survey Coordinator Meetings
 - Conferences:
 - SSC will attend the Eastern Plant Board /CAPS meeting as funding allows.
 - SSC and other CAES personnel will present information about CAPS at industry professional meetings such as the CT Tree Protective Association and the CT Nursery and Landscape Association as able and invited.
 - July 20, 2023 - Attended CTPA Summer Meeting
 - July 26, 2023- Attended CNLA Summer Field Day
 - August 2, 2023- Attended CAES Plant Science Day 2023
 - Webinars
 - SSC will attend relevant NAPIS webinars as available.
- Training:
 - SSC will train other Connecticut CAPS personnel in database use and data entry as needed.
 - SSC will train summer workers in trapping, sorting, and survey functions during trapping season.
 - SSC will attend relevant NAPIS training as available.
- Other:
 - SSC will respond to cooperative extension, university, and other state cooperator requests for information about CAPS pests of concern and coordinate their submissions for identification, when necessary.

If appropriate, explain why objectives were not met.*

Check if objectives were not met due to the impact(s) of the coronavirus COVID-19. Explain how the impacts affected coordination, planning, surveys, and/or survey operations.

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

No cost overruns occurred.

C. Was all Pest Detection/CAPS survey data entered into the National Agricultural Pest Information System (NAPIS)? If not, please provide a justification.

All pest detection/CAPS survey negative data was entered into the National Agricultural Pest Information System (NAPIS).

D. Supporting Documents

CT State CAPS Committee Meeting (Summer 2023) Minutes

Date: July 18, 2023

Time: 10:00am – 12:00pm

Location: Jones Auditorium, The Connecticut Agricultural Experiment Station

Facilitator: Dana Crandall, CT State Survey CAPS Coordinator

Note taker: Katherine Dugas

Attendees:

Dr. Victoria Smith (CAES), Katherine Dugas (CAES), Dr. Goudarz Molaei (CAES), Jacob Ricker (CAES), Dr. Hany Dweck (CAES), Dr. Kirby Stafford (CAES), Kate Aitkenhead (USDA APHIS PPQ), Nichole Carrier (USDA APHIS PPQ), Erica Willey (USDA APHIS PPQ), Olney Knight (CT DEEP), Andrea Urbano (CT DEEP), Ana Legrand (UCONN), Joshua Tracy (Water Authority).

Welcome and Introductions

Dana Crandall- 2023 CAPS and PPA Update

- ❖ 2023 CAPS Tree Nursery Pest Survey
 - Primary hosts: Pine, Spruce, Fir
 - Sites: 35 Nurseries throughout 2 CT counties (Fairfield and New Haven)
 - Survey period: Traps (June-September)
 - 7 total pests: Large Pine Weevil (*H. abietis*), Black Fir Sawyer (*M. urussovii*), Japanese Pine Sawyer (*M. alternatus*), Black Spruce Beetle (*T. castaneum*), Brown Spruce Longhorned Beetle (*T. fuscum*), Pine Processionary Moth (*T. pityocampa*), Masson Pine Moth (*D. punctatus*)
 - All beetle samples are being routinely shipped out to Carnegie Museum of Natural History; all delta trap samples (*T. pityocampa*) and wing trap samples (*D. punctatus*) being screened at CAES and shipped to Oregon Department of Agriculture if needing further identification
- ❖ 2023 PPA Forest Pest Survey
 - Primary host: Pine, Spruce, Fir
 - Sites: 35 Christmas tree farms statewide
 - Survey period: Traps (June-September)
 - 7 total pests (all the same as CAPS targets)
 - All beetle samples are being routinely shipped out to Carnegie Museum of Natural History; all delta trap samples (*T. pityocampa*) and wing trap samples (*D. punctatus*) being screened at CAES and shipped to Oregon Department of Agriculture if needing further identification
- ❖ 2023 PPA Box Tree Moth Survey
 - Primary hosts: Boxwood
 - Sites: 35 Nurseries throughout 2 CT counties (Fairfield and New Haven) (Same as CAPS sites)
 - Survey period: June-September
- ❖ 2024 CAPS Tree Nursery Pest Survey Plans
 - Primary hosts: *Prunus spp.*, Oak, Maple, Boxwood, Vegetables
 - Sites: 35 Nurseries statewide

- Survey Period: June-September
- 10 total pests: 4 trapped, 6 visual
 - Traps: Old World Bollworm (*H. armigera*), Box Tree Moth (*C. perspectalis*), European Cherry Fruit Fly (*R. cerasi*), Oak Ambrosia Beetle (*P. quercivorus*)
 - Visuals: Japanese Wax Scale (*C. japonicus*), Asian Longhorned Beetle (*A. glabripennis*), Citrus Longhorned Beetle (*A. chinensis*), Jujube Witches` Broom (*Candidatus phytoplasma ziziphi 16SrV-B*), Apple Proliferation (*Candidatus phytoplasma mali 16SrX-A*), European Stone Fruit Yellows (*Candidatus phytoplasma prunorum 16SrX-F*)
- ❖ 2024 PPA Suggestions
 - Orchard Commodity Survey
 - 35 orchard sites statewide

Nichole Carrier- 2023 PPQ Survey Report

- ❖ Forest Pest Survey
 - 20 sites across CT
 - Generalist cerambycid trap; early detection; cemeteries; hardwood (oak/maple)
 - Generalist bark beetle trap
- ❖ Box Tree Moth Survey
 - 30 sites in western CT
- ❖ Vineyard Survey
 - *Xylotrechus*- 4 sites in CT
- ❖ Old World Bollworm/Silver Y Moth (Pilot) Survey
 - Boston port (Fumigation site, Arnold Arboretum, Cemeteries)

Nichole Carrier- 2024 PPQ plans

- ❖ Miscellaneous cerambycids in eastern CT
- ❖ Miscellaneous bark beetles
- ❖ *Cerceris* Survey- 25 sites?
 - *A. biguttatus* (vineyards, ball fields)

Erica Willey- 2023 SLF Updates

- ❖ SLF Monitoring Reports
 - All CT in quarantine
 - Treatments
 - Began July 11, 2023 along I-95, Rt. 15 (Merritt Parkway)
 - Reduction of population in some areas
 - Dinotefuran sprayed on Ailanthus (3 sprayers in CT- 100 properties). Systemic use as well.
 - Fourth instar nymphs were seen the previous week (July 10-July 14)
 - Golden oil/scrape egg masses in the winter
 - Broadcast Bifenthrin (every 7 days interval)

- MA: 4 new towns with SLF
- RI: 6 new towns with SLF
- CT Compliance Agreement
- Ailanthus tree removal?
 - Difficult and widespread

Dr. Vicki Smith- SLF Public Reports

- ❖ Reporting Portal
 - Email: ReportSLF@ct.gov (100 reports in 2023)
 - Website GIS Portal

Dana Crandall- 2023 Outreach events

- ❖ Outreach events participated in: CT Vegetable and Small Fruit Conference, CNLA Winter Symposium, CTPA Winter Meeting, CT Flower and Garden Show, Eastern Plant Board Meeting, CT Pomological Society
- ❖ Outreach events planned: CTPA Summer Meeting, CNLA Summer Meeting, CAES Plant Science Day

2023 Spongy Moth Update

- ❖ Mortality from rain events

Other old or new business

Next State CAPS Committee Meeting planned for January/February 2024

Meeting concluded

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