

Pest Detection / CAPS Infrastructure Accomplishment Report – FY2022
 FAIN: AP22PPQFO000C400

Year:	2022
State:	California
Cooperative Agreement Name:	Infrastructure Project / State Survey Coordinator
Cooperative Agreement Number:	AP22PPQFO000C400
Project Funding Period:	January 1, 2022 through December 31, 2022
Project Report:	PD / CAPS Infrastructure Annual Report
Project Document Date:	January 1, 2022 through December 31, 2022
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Quarterly Report	☐
Semi-Annual Accomplishment Report	☐
Annual Accomplishment Report	☒

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A. *Compare actual accomplishments to objectives established as indicated in the work plan.**

Objectives:

1. Confirm the presence or absence of plant pests impacting the domestic and international movement of plants and plant products
 - A total of 14 funding agreements were awarded to the California Department of Food and Agriculture (CDFA) to perform surveys for or eradications of exotic plant pests for 2022. These agreements include:
 - Asian Defoliating Moth Survey
 - European Grapevine Moth Program
 - Exotic Woodborer Survey
 - Oriental Fruit Fly North Hills LA
 - Oriental Fruit Fly San Jose
 - Oriental Fruit Fly Fountain Valley
 - Mexfly Upland
 - MexFly Valley Center
 - Spotted Lanternfly Survey
 - Solanaceous Commodity Survey
 - Stone Fruit commodity survey
 - Exotic Fruit Fly Survey (Statewide)
 - Exotic Fruit Fly Survey (Port of Entry)
 - Emergency Plant Health Response Teams (EPHRT) agreement

All programs and surveys have been completed or will be completed by the end of the agreement periods. The agreements are handled by the State Survey Coordinator (SSC) and their managers. Results are transferred in periodic reports and submission into the appropriate national database.

2. Establish and maintain a comprehensive network of cooperators and stakeholders to facilitate the distribution of profiles of plant pests in the United States deemed to be of regulatory significance
 - Some of the funding provided by the 14 federal agreements was distributed to the offices of the County Agricultural Commissioners (CAC) affected by these surveys or eradication projects. The SSC attended meetings with County Agricultural Commissioners and continued networking and developing working relationships with these key pest detection partners.
 - The SSC provided counties with plant pest profiles and developed California specific survey guidelines for key pests of regulatory significance and potential interest to California stakeholders.

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3. Detect exotic pests before they become established
 - The 14 federal agreements above provide the means to detect new and/or incipient populations of exotic plant pests. The SSC conducted research on potential survey targets, organized and led meetings with the CDFA staff to determine survey target priorities and developed proposals.
 - The SSC underwent training and networked with the Western Plant Board members, USDA, APHIS and CBP staff at the Western Plant Board meeting.
 - Through attendance at the Entomological Society of America's Pacific Branch meeting the SSC networked with university researchers, extension advisors and other entomologists. Received training on the biology, ecology and survey methods for key invasive pests.
 - The SSC underwent training on how to detect the spotted lanternfly (SLF) and how to treat for this key pest at the National Plant Board's In-Person SLF Training.
4. Facilitate the export of United States Agricultural products
 - The 14 federal agreements above provide the necessary negative data to facilitate export of California agricultural products. The SSC has and will continue to upload data into the NAPIS database as required by the agreement deadlines.
 - The SSC also collaborated with other CDFA staff to provide pest survey data to trading partners.
5. Collect and manage survey data from CAPS participants
 - The 14 federal agreements above provided the means to detect new and/or incipient populations of exotic plant pests. The lead scientists of each survey/program collect and manage the respective survey data. Results will be transferred in periodic reports and by submission of data into the appropriate national database. The SSC is assisting with this process and takes the lead on writing and submitting the resulting reports.
 - The SSC also worked to make the collection and management of survey activities more efficient and accurate. This involved coordinating with other CDFA staff to conduct training for CAC staff on how to report survey activities to the CDFA and ensure work is done and reported in alliance with the USDA reporting and billing guidelines.

Summary of Activities:

1. Activities:

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- Coordinated and led the planning, writing and submission of work plans and financial plans for FY 2022-2023 PPA 7721 agreements (accomplished by 7/29/22)
- Worked to improve survey tracking and monitoring
- Assisted with communication with the CDFA Insect Identification lab as needed
- Contributed to the strategic plans for potential budget cuts to exotic fruit fly programs
- Assisted with planning the state and PPA-funded risk-based survey for SLF
- Developed six survey guidelines/manuals tailored to California for use by CAC staff for surveying key invasive plant pests
- Provided guidance to CAC staff regarding suggested plant pest targets for county surveys
- Coordinated and developed digital training materials and collaborated with the CDFA Administrative staff to conduct training for CAC staff on how to bill and report survey activities to the CDFA in compliance with the USDA reporting requirements.

2. Outreach and Education

- Presented information on cotton seed bug at the Western Plant Board meeting
- Provided guidance to CAC staff regarding suggested plant pest targets for county surveys
- Created and presented a training session for CAC staff on how to identify and survey for SLF
- Created and distributed a handout and edited video for CAC staff on how to report survey activities and invoice CDFA
- Co-created and presented an internal training for CDFA staff on how to identify and survey for spotted lanternfly.

3. Meetings:

- Attended and participated in meetings with the CDFA, APHIS, USDA and CAC staff to gain knowledge about California pest surveys and gain competence in SSC duties
- Attended Western State Entomologist's Meeting
- Represented the CDFA at the Western Plant Board meeting
- Attended and presented at the California Forest Pest Council Meeting
- Attended and presented at the *Lymantria dispar* Review Meeting

4. Training:

- Participated in SCC training at the Western Plant Board Meeting and attended all talks at this meeting
- Participated in the Federal Cooperative Agreement Training

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- Attended talks at the ESA Western Branch meeting on multiple plant pests of regulatory concern
- Learned how to edit videos using LightWorks Video Editing software to allow for the creation and distribution of training and outreach videos
- Attended the National Plant Board's SLF training

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

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

Not applicable; no cost overruns are anticipated.

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

The accountability reports for agreements from fiscal year 2021 were completed and the reports for 2022 were submitted or begun based on the deadlines for each agreement. All data which was required to be submitted to NAPIS in 2022 was uploaded to the database.

E. *Supporting Documents (if applicable)*

Not applicable; none attached.

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

Approved and signed by:

Mark A. McLoughlin, ROAR Date
California Department of Food & Agriculture
Plant Health & Pest Prevention Services

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