

CAPS Infrastructure Report

Year:	2012
State:	Utah
Cooperative Agreement Name:	Utah CAPS Infrastructure Project
Cooperative Agreement Number:	
Project Funding Period:	Jan. 1 – Dec. 31, 2012
Project Report:	CAPS Infrastructure Report
Project Document Date:	Dec. 19, 2012
Cooperators Project Coordinator:	Cory Stanley
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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 workplan. When the output can be quantified, a computation of cost per unit is required when useful.

The Utah CAPS (Cooperative Agricultural Pest Survey) Program is a cooperative agreement between the Utah Department of Food and Agriculture (UDAF) and Utah State University (USU). The CAPS Utah Plant Pest Infrastructure Project provided support for Cory Stanley, State Survey Co-coordinator (USU), under the supervision of Ricardo Ramirez, and Ryan Davis, Data Entry Manager (USU), both of which worked in cooperation with Robert Hougaard, Utah State Plant Regulatory Officer (UDAF), Clint Burfitt, State Survey Co-coordinator (UDAF), and Dawn Holzer, Utah/Nevada Pest Survey Specialist (USDA-APHIS-PPQ).

The Utah CAPS committee currently has 18 members from state and federal agencies, specializing in various disciplines, including entomology, forestry, plant pathology, weed science, agriculture, and pesticide usage. The Utah CAPS Committee has continued to identify emerging priority pests for Utah and also improved sampling techniques for future survey programs. The Committee received pertinent updates about potential invasive pest activity throughout the year and at the CAPS Committee meetings. As needed throughout the year, the CAPS Committee helped disseminate pertinent information to interested parties, such as USU Extension, the Bureau of Land Management, the Utah State Horticultural Association, the Northern Utah Fruit Growers, and the Utah Nursery and Landscape Association.

In addition to the outreach efforts of the CAPS Committee, Cory Stanley also maintained a website, CAPS.usu.edu, to help disseminate information to the CAPS committee, stakeholders and public. Additionally, Cory Stanley gave 25 presentations, coordinated 2 workshops, wrote 7 newsletter articles, authored 3 fact sheets, and coauthored a peer-reviewed journal article; topics included native bees, honey bees, integrated pest management, and invasive pests, with emphasis given to pests recently detected in Utah (spotted wing drosophila, Chinese long-horned beetle, and brown marmorated stink bug). Cory Stanley has planned several outreach events for 2013, including a series of workshops on trapping and identifying spotted wing drosophila and an all day workshop providing growers with thorough information on spotted wing drosophila and brown marmorated stink bug.

CAPS funding enabled professional development and training. Cory Stanley completed the IPM3 Invasive Species Module and her lead technician completed the IPM3 Integrated Pest Management Module; both are online courses taught by University of Minnesota Extension. Cory Stanley is also the Utah representative and chair-elect on the Multistate Research Project, WERA1021, "Spotted Wing Drosophila Biology, Ecology, and Management." In association with her involvement with the WERA1021 Multistate Research Project, Cory Stanley participated in a multistate experiment comparing traps for *D. suzukii*. CAPS funds were also used to purchase office supplies, software licenses, reference materials, and other supplies necessary for the ongoing success of the Utah CAPS Program.

By seeking other funding sources, she was able to survey for brown marmorated stink bug (*Halyomorpha halys*) throughout Utah, as well as nine other invasive pest species. She supervised undergraduate student research evaluating non-chemical methods of controlling varroa mites in managed honey bee colonies. She also completed research evaluating non-lethal effects of fungicides on native bees.

Ryan Davis gave 22 presentations, wrote 4 newsletter articles, wrote 3 fact sheets, and maintained 4 websites. In his capacity as insect diagnostician for the Utah Plant Pest Diagnostic Laboratory, Ryan Davis received 283 samples in 2012; 124 plant disease samples and 159 arthropod samples.

In 2012, Cory Stanley collaborated with Ricardo Ramirez to complete a survey for 5 invasive orchard pests, with all data entered into the NAPIS (National Agricultural Pest Information System) as soon as they were received by our Data Entry Manager, Ryan Davis. Additionally, ten other projects were completed by Utah CAPS Committee members. All available Utah NAPIS data were entered by 31 December 2011 so they could be included in the Western Region CAPS Report. The 2011 Utah CAPS Program has met all the requirements of the cooperative agreement with USDA-APHIS-PPQ and has contributed to the overall regional and national programs.

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

In 2012, all surveys were completed as planned. The completion of the Utah CAPS Infrastructure work plan has been delayed due to medical leave taken by Cory Stanley. The project is anticipated to be complete by 31 January 2013.

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

There are no anticipated cost overruns or unobligated funds.

D. Supporting Documents

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

Approved and signed by



 Cooperator

Date: 19 Dec 2012

Date: _____

ADODR