CITRUS ADVANCED TECHNOLOGY PROGRAM

QUARTERLY & FINAL REPORTS: Control of Citrus Greening, Canker & Emerging Diseases of Citrus

▶ INSTRUCTIONS

(●) *Quarterly Report* ( ) *Annual Report* ( ) *Final*

Required: What is the "headline" for this report (e.g. a one-sentence "newspaper headline" describing what you accomplished)

ACP Research in California Expands

Proposal Title

Optimizing Chemical Control of Asian Citrus Psyllid in California

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
9/10/12	California Citrus Research Board	Vector Management

REPORT UPDATE (500 words; summarize your accomplishments)

This is a cooperative research project between Co-PIs Joseph Morse, Jim Bethke, Frank Byrne, Beth Grafton-Cardwell, and Kris Godfrey. One objective is to coordinate with researchers working on chemical control of ACP in Florida, Texas, Arizona, and elsewhere. Towards that end Grafton-Cardwell and Morse met with Michael Rogers (UF) in San Diego in July to discuss current research and Godfrey and Grafton-Cardwell participated in the Third Citrus Health Research Forum in Denver recently.

We are rearing ACP in a contained greenhouse at the Chula Vista Insectary (San Diego County; about 6 miles north of the Mexican border) under permit (#2847) from CDFA. This permit clearly notes experimental protocols and procedures so that the work is done as safely as possible to minimize the chance of ACP escape. At this site, Jim Bethke has initiated ACP tests on various organic and traditional pesticides of interest to California growers.

A second location where we are working with ACP is at UC Riverside, working under permit inside the UCR Insectary Facility. Frank Byrne is conducting trials on various neonicotinoid insecticides, Morse is evaluating the baseline susceptibility of CA ACP to various pesticides in comparison to studies done in Florida, and Morse is collaborating with Mark Hoddle in evaluating the impact of registered organic pesticides on both ACP and Tamarixia.

Kris Godfrey recently obtained a permit to rear ACP inside UC Davis' Contained Research Facility and she is presently growing host plant material in order to start a colony this month or next. In collaboration with Jim Bethke, she will focus her efforts on evaluating experimental organic pesticides and microbials.

In summary, we continue to expand our ability to conduct ACP research in California. To date, we have been mostly dependent on research done elsewhere but we are beginning to build the infrastructure and capability for conducting trials of specific interest to California here.

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Organization University of California, Riverside

Contract Number 5500-189

Project Duration (years) 4 *Year of Project* 2

Total Funds (current year) $101,517.00

SUBMIT REPORT

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.