Florida Citrus Advanced Technology Program

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

Instructions Complete the fields based on your project specs. When finished, save the form to your local disk using a unique name. Then, go to **http://research.fcprac.com**, and log in with your user name and password using Researcher Login in the lower left. Find this project title and click on **Submit a Report**. Update your profile information if needed, then upload this report as directed.

2009-2010 REPORT	CATEGORY (drop-down)	TODAY'S DATE (m/d/yr)
◉ *Quarterly Report* ○ *Annual Report* ○ *Final*	Management	4/12/10

WHAT IS THE "HEADLINE" FOR THIS REPORT (e.g. a one-sentence "newspaper headline" describing what you accomplished)

TITLE and CONTACT INFORMATION

Proposal Title Calibration of Low Volume Spray and Understanding Grove Weather Conditions to Maximize Application of Pesticides

Principal Investigator Stephen H. Futch	*PI Last Name* Futch
Email shf@crec.ifas.ufl.edu	*FDACS Contract Number*
Phone 863-956-1151	*Project Duration (years)* 1 *Year of Project* 1
Organization University of Florida	*Total Direct Funds (current year)* $26,474

REPORT UPDATE (650 words; provide details about your headline)

All field equipment has been ordered and is being tested to ensure that they work as intended.

The equipment to measure droplet size being developed by low volume sprayers is a continuing issue. The system developed by Drop Vision has proven to be unacceptable and has been returned to the company. The method used by Drop Vision measures droplet size on glass slides coated with telfon or MgO. Both coating methods will not work where spray mixture contains a higher volume of water and either evaporates or completely covers the slide.

Other testing methods are being considered.