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*	Other	7/26/10

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

Support for the Southern Gardens Diagnostic Laboratory

TITLE and CONTACT INFORMATION

Proposal Title Support for the Southern Gardens Diagnostic Laboratory

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Phone 863-902-2249	*Project Duration (years)* 2 *Year of Project* 1
Organization United States Sugar Corporation	*Total Direct Funds (current year)* 226,444.30

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

From July 1, 2009 through June 30, 2010, the Southern Gardens Diagnostic laboratory processed, ran, and reported on 46,272 grower samples. Samples were received from 874 different groves and from 53 different submitters. For the same period of time during the previous year (July 1, 2008 to June 30, 2009), 44985 grower samples were run. Since it's inception, the Southern Gardens Diagnostic laboratory has run over 141,338 grower samples submitted by growers, homeowners, extension agents and researchers throughout the state. In addition to the grower samples, the lab has processed 16,898 samples for Southern Gardens, 5,703 individual psyllid samples, and approximately 5,000 research samples for an approximate total of 168,939 samples run.

The lab continues to make progress to improve efficiency and is in the process of automating the DNA preparation procedures using a liquid handling robot and magnetic bead separation technology. Also a second HLB panel test is in the works, whereby replicated tissue samples (in ETOH) will be sent to laboratories across the US to compare and contrast the various testing methodologies being used by the various laboratories in the US.

The lab has provided hands-on training for researchers from multiple labs within the United States and abroad.