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*	HLB Pathology	6/30/09

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

Survey and confirmation for HLB in seedlings from HLB-affected trees

TITLE and CONTACT INFORMATION

Proposal Title Transmission of HLB by citrus seed

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Phone 863-956-1151	*Project Duration (years)* 2 *Year of Project* 1
Organization UF, Citrus Research and Education Center	*Total Direct Funds (current year)* $36,561

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

Under Objective 1 (Survey and confirmation of HLB in seedlings from HLB-affected trees) mild to severely affected fruit from the an HLB-affected Pineapple orange and Murcott tangor fruit were collected from groves in Collier County, FL and freshly extracted seed planted in the greenhouse for HLB detection in emergent seedlings. Under Objective 2, (Thermotherapy of HLB-affected seed) subsets of these same seed sources were treated at 125, 130 and 135F to test the effect of heat treatment on detection of HLB in seedlings. Pineapple orange and Murcott seedlings will be tested by PCR and any PCR products detected will be cloned and sequenced. Under Objective 3 (Follow-up on HLB-positive trees from DPI annual survey), DPI survey of seed source trees in Florida nurseries has, thus far, not detected seed trees PCR positive for HLB.