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	9/30/09

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

Survey and confirmation of 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) 200 seeds extracted from mild to severely affected fruit from HLB-affected Pineapple orange and Murcott tangor groves were assayed for HLB detection in emergent seedlings. All seedlings were negative for HLB by PCR assay. Assay of the same seedlings will be repeated. Under Objective 2 (Thermotherapy of HLB-affected seed) 100 seeds of the same seed sources were treated at 125, 130 and 135F to test for the effect of heat treatment on detection of HLB in seedlings. Thermal treatments were lethal to Murcott seed, but not Pineapple seed. The emergent seedlings were PCR tested and all were found to be negative. Under Objective 3 (Follow-up on HLB-positive trees from DPI annual survey), DPI survey of seed source trees in Florida nurseries is conducted every other year (R. Gaskalla, DPI Director, personal communication), so samples from the survey, if any, will not be available for testing until the second year of the project.