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)

HLB-free trees and orchards in China

Proposal Title

Identification and Characterization of HLB Survivors

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
1/26/12	Citrus Research and Development Foundation	Conventional Citrus Breeding

REPORT UPDATE (500 words; summarize your accomplishments)

We have reported previously on the escape trees that have been identified and assessed in collaboration with colleagues in Guangdong and Guangxi provinces in China. There has been no change in the status of the trees and no additional testing has been carried out. the trees propagated remain in their respective locations. From the visit with Mr. Li, Jian, a citrus extension specialist from the Fujian Provincial Academy of Agricultural Sciences in October 2010, our search for survivors was expanded. Gmitter revisited the Pinghe County Guanximiyou (Chinese honey pummelo) production area in Fujian in summer 2011, and it was impressive to see how this region of the Chinese citrus industry adjusted their production and continued to remain profitable in response to HLB. Looking into many successful or failed situations in HLB management in China, we learned that psyllid control was the key to maintain as low HLB incidence as possible, and good nutrition and routine tree health management were considered vital. Further, the natural tolerance of this pummelo variety, and several other citrus varieties in other locations in China, also contribute to sustainable productivity and profitability. The key elements outlined to us were critically timed pesticide applications, use of pathogen-free planting materials, and maintenance of tree health through good nutrition, as we interviewed growers, pathologists, horticulturists, and entomologists associated with these healthy orchards. These insights, unintended side benefits of this project, have been widely and repeatedly shared with citrus growers and researchers in Florida and elsewhere around the world.

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Organization UF-CREC

Project Number 68

Project Duration (years) 3 *Year of Project* 3

Total Funds (current year) $35,000.00

SUBMIT REPORT

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.