CITRUS ADVANCED TECHNOLOGY PROGRAM

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

SELECT PERIOD September 2013

(●) *Quarterly Report* ( ) *Final*

Proposal Title

Expedited Indian River Evaluation of Tetrazyg Rootstocks Surviving the HLB-Gauntlet

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
9/26/13	Citrus Research and Development Foundation	Infection Consequences

REPORT UPDATE (500 words-It is not necessary in this public report to disclose your institution's proprietary information or intellectual property.)

The general goal of this project is to rapidly propagate complex citrus rootstock material for field testing. The rootstock materials to be tested will be products of the Citrus Improvement Program at the UF-IFAS-CREC in Lake Alfred. Specifically, these materials will be selected based upon their performance in the "HLB gauntlet": Promising rootstock genotypes will have already been evaluated in the greenhouse and field for their ability to grow-off citrus scions that have been exposed to CLas-positive budwood and CLas-positive Asian citrus psyllids. Once candidate rootstock materials have successfully passed through this gauntlet, they will be propagated via rooted cuttings en masse in a psyllid-free greenhouse at the UF-IFAS-IRREC in Fort Pierce. From there, rootstock materials will be budded with scion materials and planted in the field for further testing for their long-term performance.

The start date for this project was April, 2013. To date, the progress of this project is as follows:
- Two (2) misting chambers to propagate candidate, rootstock materials as rooted-cuttings have been constructed.
- Propagation materials (containers, soilless media, and rooting hormones) have been purchased.
- Funds from this project are being used to support the construction of a new greenhouse at the IRREC. UF-IFAS Facilities Planning & Operations (FP&O) conducted a competitive bidding process and identified a vendor capable of constructing FDACS-DPI-approved propagation structures. Funds were transferred to IFAS FP&O to initiate construction of a new greenhouse to support the goals of this project. Currently, site preparation at the IRREC is being performed to ready the location, and building will commence as soon as possible.
- The initial cohort of advanced, tetratzygous citrus rootstock materials for en masse propagation have been identified. They are currently emerging from the "HLB gauntlet" and will soon be ready for en masse propagation.

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Organization UF-IFAS-IRREC

Project Number 736

Project Duration (years) 3 *Year of Project* 1

Total Funds (current year) $44,880.00

Form PR-12 Quarterly Reports **SUBMIT REPORT**

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.