CITRUS ADVANCED TECHNOLOGY PROGRAM

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

SELECT PERIOD September 2014

(●) *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)
11/30/14	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 were used to support the construction of a new greenhouse at the IRREC. This greenhouse is completed and operational.
- The first cohort of advanced, tetratzygous citrus rootstock materials for en masse propagation are currently being propagated.
- The second cohort of advanced, tetrazygous citrus rootstock materials for en masse propagation have been identified and are being prepared to have cuttings taken from them.
- In addition to the 1st & 2nd cohorts of tetrazygous rootstocks, promosing diploid rootstocks have also been identified and are being prepared to have cuttings taken from them.

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Organization UF-IFAS-IRREC

Project Number 736

Project Duration (years) 3 *Year of Project* 2

Total Funds (current year) $25,506.00

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

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.