CITRUS ADVANCED TECHNOLOGY PROGRAM

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

SELECT PERIOD December 2016

(●) *Quarterly Report* ( ) *Final*

Proposal Title

Strigolactones types of growth regulator to combat HLB in Florida

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
2/21/2017	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 new Post-Doc to take over the responsibilities of continuing and finishing this project, which had been paralyzed since the departure of the previous pos-doc ,arrived in mid September. Preparations to get the project back on track had already begun in terms of plant material, chemicals, greenhouse space, irrigation, etc.

Upon his arrival, we started the objectives listed below:

Objective III: Effect of SL + Fungicides on Phytophthora growth in HLB-infected trees.
Trees were treated with SL and soil amended with Phytophtora and or fungicide following the established sequence of events. Trees are being monitored and the second SL treatment will be applied soon.

Objective IV: Effect of SL on the growth of beneficial mychorriza.
Trees have been treated with SL and mycorriza applied to the soil as planned. The second SL treatment will take in early spring.

Objective V: Effect of spray application of SL + other promising compounds on citrus in groves. Additional natural organic such as organic acids, sugars, amino acids, and few other compounds will be applied on potted trees. Trees are being sprayed bi-weekly with a 10 mM solution of individual components.

In the meantime, data are being collected on the above treatments, two manuscripts are being prepared from previous work and we are gearing up to address the remaining objectives.

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Organization UF-CREC

Project Number 899

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

Total Funds (current year) 347,426

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

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.