CITRUS ADVANCED TECHNOLOGY PROGRAM

QUARTERLY & FINAL PROGRESS REPORT FORM: Control of Citrus Greening, Canker & Emerging Diseases of Citrus

▶ SELECT PERIOD October 2020

(●) *Quarterly Report* ( ) *Final*

Proposal Title

Whole tree vs. rootstock or scion tolerance to HLB

Today's Date: 12/07/2020

Sponsoring Organization (drop-down): Citrus Research and Development Foundation

Category (drop down): Horticultural & Management

ABSTRACT (750-word Executive Summary-public report-do not disclose proprietary information or intellectual property)

Propagation of experimental trees proved more difficult than anticipated. While we had very high success rate for Valencia on Swingle, all other combinations that included either Sugarbelle or UFR-4 had lower than expected success rates and the trees continue to underperform compared to the Val/Swingle. That said we have propagated enough and have vigorous growth for 2 repetitions of the experiment. We are doing the final preparations for planting the first rep in the rhizotron, but are waiting until after the dormant period. In the meantime we are doing the final planning for the intense sample collection and processing that will be done in the first few weeks after transplant and inoculation. We have also used the time from the delayed plant establishment to develop faster root tracing and analysis techniques to speed up later steps in the process.

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Organization University of Florida, CREC

Sponsor Project Number 19-009

Project Duration (years 3 *Year of Project* 1

% Completion of Objectives 28.00%

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.