CITRUS ADVANCED TECHNOLOGY PROGRAM

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

▶ SELECT PERIOD April 2020

(●) *Quarterly Report* ( ) *Final*

Proposal Title

How do subterranean pests and diseases affect root health of trees with and without HLB?

Today's Date: 06/12/2020

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

Category (drop down): CLas Bacteria

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

As noted in the last report, the experiment was established to meet the early objectives to obtain the trees and establish the primary infections with HLB and citrus nematode. We anticipate being able to begin testing trees for HLB in June.

The trees in this experiment were maintained with irrigation and fertilization in a screenhouse. This was a fortuitous experimental schedule, because the potential to conduct research did not exist due to the UF response to the global pandemic. Nematode and CLas infection rates will be determined in the next reporting period and, if satisfactory, plants will be arranged in a randomized design for a one-month period of growth prior to the evaluation of treatment effects.

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Organization UF, IFAS

Sponsor Project Number 19-016

Project Duration (years 2 *Year of Project* 1

% Completion of Objectives 12.00%

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.