CITRUS ADVANCED TECHNOLOGY PROGRAM

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

▶ SELECT PERIOD October 2024

(●) *Quarterly Report* ( ) *Final*

Proposal Title

Breaking the Diaprepes Life Cycle

Today's Date 01/04/2025

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)

Symptoms of salt injury that were apparent in the newly planted trees were confirmed by electrical conductivity levels of soil samples shortly after planting. It was determined that the rate of fertilizer mixed with the soil in the planting hole was excessive. Several months of frequent irrigation in a concentrated area around the planting holes failed to adequately resolve the problem. Root systems of weak trees that were excavated exhibited dieback with few new or healthy roots. Due to the uneven condition of trees in the trial, it was determined to replant the site. New trees (Valencia on 942 and X639) were purchased, the original trees were removed, and a commercial crew planted the new trees on 17 December (described in the January report).

PI First Name Larry

PI Last Name Duncan

Email lwduncan@ulf.edu

Phone 863 956 8821

Organization UF, IFAS

Sponsor Project Number 23-041

Project Duration (years 3 *Year of Project* 1

% Completion of Objectives 16.00%

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.