CITRUS ADVANCED TECHNOLOGY PROGRAM

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

▶PROJECT QUARTER END December 2024 ● *Quarterly Report* ○ *Final*

Proposal Title

OTC Directed Research Solicitation: Use of CRDF Rootstock Trial Locations for Testing Bactericides Inserted into Trees Through Systemic Delivery Devices

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
01/13/2025	Citrus Research and Development Foundation	Horticultural & Management

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

1. Please state project objectives and what work was done this quarter to address them:

Main objective: To determine the large-scale efficacy of trunk injection of OTC on citrus tree health, fruit quality, and yield in existing rootstock trials in three different commercial growing environments. Sub-objectives: a) test the efficacy of OTC injection in the rootstock trunk compared to injection into the scion, and b) determine whether OTC injection increases/restores root densities and if there are interactions with the rootstock.

Damage and fruit drop from hurricane Milton was assessed. The percentage of overall tree decline (due to blight or other factors) was assessed. Leaves were collected for CLas and OTC analysis. Trunk injury (wound size) was measured. Roots were collected to determine fibrous root mass and specific root length. Data continue to be analyzed. Findings from this project were included in industry presentations and handouts (FCM meetings and others).

2. Please state what work is anticipated for next quarter:

More leaves will be collected for CLas titer analysis. Sample processing, laboratory analysis, and data analysis will continue. Trees will be monitored. We will be preparing for the harvest.

3. Please state budget status (underspend or overspend, and why):
The budget is mostly as expected.

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Organization UF/IFAS SWFREC

Sponsor Project Number 23-005

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

% Completion of Objectives (FDACS requirement) 50.00%

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.