CITRUS ADVANCED TECHNOLOGY PROGRAM

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

▶PROJECT QUARTER END April 2025 ● *Quarterly Report* ○ *Final*

Proposal Title

Effects of trunk-injected oxytetracycline on tree infection and health, psyllid pathogenicity, and vector populations

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
06/14/2025	Citrus Research and Development Foundation	Horticultural & Management

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

Objective 1: Quantify CLas Reduction and Tree Health in Response to OTC Treatment

Treatments were applied to 10-year-old, CLas-infected 'Valencia' trees in Wauchula on March 15, 2024, marking the second consecutive year of treatment. The trees had previously been injected with OTC in March 2023. A total of four treatments were under evaluation:

1 Insecticide control of ACP on productive trees (producing 80-100 fruit per box),
2 Insecticides plus addition of trunk injection of OTC on productive trees,
3 Insecticide control of ACP on non-productive trees (producing less than 80 fruit per box), and
4 Insecticides plus addition of trunk injection of OTC on non-productive trees.

Similarly, treatments at the Frostproof site were applied to 10-year-old, CLas-infected 'Valencia' or Hamlin trees on April 16, 2024. This marked the second consecutive year of treatment, with the trees also having been injected with OTC in March 2023. The four treatments under evaluation were:

1 Insecticide control of ACP on Valencia trees,
2 Insecticides plus addition of trunk injection of OTC on Valencia trees,
3 Insecticide control of ACP on Hamlin trees, and
4 Insecticides plus addition of trunk injection of OTC on Hamlin trees.

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Sponsor Project Number 23-001

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

% Completion of Objectives (FDACS requirement) 85.00%

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.