CITRUS ADVANCED TECHNOLOGY PROGRAM

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

▶ SELECT PERIOD November 2020

(●) *Quarterly Report* ( ) *Final*

Proposal Title

Cover crops and nematicides: comprehensive nematode IPM across the grove landscape

Today's Date 12/15/2020

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)

The integrity of plumbing in all plots of the nematicide comparison trial (the midway point in the trial) was confirmed in early October with blue dye injections. Between October 21 and November 20 the nematicides, with the exception of aldicarb, were applied either once or twice, according to manufacturer. Efficacy and tree response following 2 years of nematode management will be determined during the final two weeks of December and first week of the new year.

There was no activity in the second trial evaluating aldicarb (which is treated only in spring). Tree and nematode response at the end of the second year of treatment will be evaluated as above.

Vydate was applied in the perennial peanut trial on November 4. Sting nematodes monitored monthly in the row middles during September-November declined by more than 2/3, with numbers in the peanut middles remaining at approximately 5% (P=0.001) as numerous as those in the middles with native vegetation. Hand cultivation of weeds in the 3 of 8 peanut plots containing weeds was discontined in October when the peanuts closed in the bare patches. Tree and nematode response at the end of the second year of treatment will be evaluated as above.

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Organization UF, IFAS

Sponsor Project Number 18-036C

Project Duration (years 3 *Year of Project* 2

% Completion of Objectives 66.00%

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.