CITRUS ADVANCED TECHNOLOGY PROGRAM

QUARTERLY & FINAL REPORTS: Control of Citrus Greening, Canker & Emerging Diseases of Citrus

SELECT PERIOD September 2014

(●) *Quarterly Report* ( ) *Final*

Proposal Title

Beyond BioVector: Can cold-tolerant nematodes effectively manage Diaprepes root weevil in advanced citrus production systems?

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
11/17/04	Citrus Research and Development Foundation	Epidemiology and Cultural Control

REPORT UPDATE (500 words-It is not necessary in this public report to disclose your institution's proprietary information or intellectual property.)

The insectary at the Florida Department of Agriculture and Consumer Services, Division of Plant Industry (DPI) was a longstanding source of Diaprepes root weevil larvae for researchers in Florida and elsewhere. Reduced demand for these larvae caused this agency to discontinue their production in September 2014. In anticipation we met several times with the agency to learn their methodology. We purchased cages and supplies and constructed an insectary, acquired adult weevils and began rearing larvae on diet in axenic conditions. To date we have produced 4 'production runs'. Contamination of cultures in which the larvae grow has been a problem, but fewer units have become contaminated over time. We will have enough 3-5 instar larvae going into the winter season to conduct the upcoming field trials at sites in Lake and Polk Counties. Repeated experiment using H. floridensis, validating results reported in previous report. We shall include H. floridensis in upcoming field trials.

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Organization UF, IFAS, CREC

Project Number 720

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

Total Funds (current year) $25,000.00

Form PR-12 Quarterly Reports **SUBMIT REPORT**

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.