CITRUS ADVANCED TECHNOLOGY PROGRAM

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

▶ SELECT PERIOD September 2015

(●) *Quarterly Report* ( ) *Final*

Proposal Title

Rapid identification of antibiotics useful in the control of citrus greening disease

Today's Date: 10/14/15

Sponsoring Organization (drop-down): Citrus Research and Development Foundation

Category (drop down): Culture, Molecular Biology, Koch's Postulates

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

We continue to screen antibiotics against Liberibacter crescens. We are using commercially available antibitoics for this purpose to identify potential antibiotics effective against Ca. Liberibacter asiaticus. We are also interested in those antibitoics that do NOT inhibit L. crescens because they can be used as a means to reduce contamination in the media we are using to attempt to perfect long-term cultiring of Ca. Liberibacter asiaticus.

We recently identifed four such contaminants and tested antibiotics against those contaminants. We are now using an antibiotic in our media that inhibits these contaminants but not Ca. Liberibacter asiaticus.

Our collaboration with NuFarm continues. We expect to have data this fall on the efficacy of Mycoshield treatments. Our role is primarily one of data analysis. We are keenly interested in this mostly because of the expected benefit to citrus growers but also because it fits well into a manuscript we are preparing.

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Organization UF-IFAS

Project Number 767

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Year of Project

Total Funds (current year)

Form PR-12 Quarterly Reports

SUBMIT REPORT

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.