CITRUS ADVANCED TECHNOLOGY PROGRAM

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

SELECT PERIOD June 2016

(●) *Quarterly Report* ( ) *Final*

Proposal Title

Support for the Southern Gardens Diagnostic Laboratory

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
8/4/2016	Citrus Research and Development Foundation	Pathogen/Disease Detection

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

This project is a continuation of the funding that has been provided to Southern Gardens Citrus (SGC) to provide growers, researchers and private companies a laboratory to detect the pathogen that causes huanglongbing (syn. citrus greening). For the fourth quarter of the funding period (4/1/2016-6/30/2016), 8,931samples were processed. Of those 7,897 were plant samples and 1034 were psyllid samples. For year 1 of the funding, a total of 32,949 samples were run of which 30,693 were plant samples and 2,256 were psyllid samples.

As mentioned in a previous report a procedure has been developed to extract DNA from roots that still allows the use of the Qiagen robot but removes the inhibitors that are a problem with root samples. For year 2 of the funding period, we plan on adapting a PMA protocol to allow a live/dead determination with the qPCR procedure.

As has been the trend in the last couple of years, most of the samples coming in the lab are research samples from private, university and CRDF trials.

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Organization Southern Gardens Citrus

Project Number 15-032C

Project Duration (years) 2 *Year of Project* 1

Total Funds (current year) 144,455

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

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.