

CITRUS ADVANCED TECHNOLOGY PROGRAM

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

▶ **SELECT PERIOD**

December ▼ 2019

Quarterly Report **Final**

Proposal Title

Continued Support for the Southern Gardens Diagnostic Laboratory

Today's Date

02/12/2020

Sponsoring Organization (drop-down)

Citrus Research and Development Foundation

Category (drop down)

Other ▼

ABSTRACT (750-word Executive Summary-public report-do not disclose proprietary information or intellectual property)

This report is for the second quarter of year 1 of project 19-001C. For the second quarter, 3,478 samples were run. To date for the project, a total of 9,344 samples have been run. In contrast, for the first two quarters of 2018, a total of 7,037 samples were run. Of the samples run for the first two quarters of 19-001C, 98% have been plant samples and 2% have been psyllid samples. Beginning several years ago, the lab has been offering customers the opportunity to request copy number in addition to a Ct value for each sample. For the first two quarters, results for 44% of the grower samples have been provided with copy number. Also beginning with the current project, Southern Gardens Diagnostic Laboratory (SGDL) began offering to run samples for customers with custom primer sequences provided by the customer. To date, one customer has asked for the lab to run assays for multiple different endophytes. The primer sequences were provided by the customer and SGDL optimized the assays for our system and performed the assays for the customer.

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Organization Southern Gardens Citrus

Sponsor Project Number 19-001C

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

% Completion of Objectives 25.00%