CITRUS ADVANCED TECHNOLOGY PROGRAM

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

SELECT PERIOD December 2015

(●) *Quarterly Report* ( ) *Final*

Proposal Title

Continuation of diagnostic service for growers for detection of Huanglongbing in citrus and psyllids to aid in management decisions

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
1/15/16	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.)

The Huanglongbing Diagnostic Lab at UF-IFAS-SWFREC has now been in operation for 8 years. As of December 2015, we have processed more than 37,200 grower samples, with 3,995 during 2015. This represents a 46% increase in the number of grower's samples over the previous calendar year, which in itself had seen a 37% increase over 2013 numbers. These increases are likely due to the increased efforts to mitigate the HLB-associated tree stresses. Growers in this area, and most other regions, currently have one or more HLB mitigation program that they are evaluating. These growers are using the HLB lab to evaluate the effectiveness of their efforts. Another evidence of increased grower usage of the lab is seen in the fact that 60% of the individuals who submitted samples during 2015 were new clients who had not previously submitted samples.

Additionally, more than 42,700 samples have been received for research for the entire period of diagnostic service, supported by grant funding of individual researchers. This brings the grand total to nearly 80,000 plant samples processed. Grower samples are typically processed and reports returned within a two to four week time period.

For this report, focusing on the quarter from October-December 2015, there were 1,015 growers samples processed and 492 research. Since the start of the current grant in July 2015, the lab has received 2,176 growers samples, which is even higher than the expected increases in sample volume.

The HLB Diagnostic Lab continues to offer the service of detection of CLas in psyllids as funded in this grant. Current methods of sample processing have become streamlined and therefore seen no change in procedure.

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