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

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)
7/15/16	Citrus Research and Development Foundation	HLB pathogen and 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 June 2016, we have processed more than 40,500 grower samples. For the 2016 calendar year to date, we've received 3,288 samples from growers, which is on track for a calendar year total exceeding 2015 levels. The 3,995 growers samples processed during 2015 represented 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. So far, new clients comprise 48% of submitters in 2016.

Additionally, more than 44,100 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 more than 84,750 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 April through June 2016, there were 2,370 growers samples processed in addition to research samples and psyllids. This quarter completed the first year of the grant, with a grand total of 5,401 growers samples being processed from July 2015-June 2016. These numbers are significantly higher than the expected increases in sample volume, which may indicate that the second half of the grant could see even higher numbers of growers samples submitted.

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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