CITRUS ADVANCED TECHNOLOGY PROGRAM

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

▶ INSTRUCTIONS

(●) *Quarterly Report* ( ) *Annual Report* ( ) *Final*

Required: What is the "headline" for this report (e.g. a one-sentence "newspaper headline" describing what you accomplished)

Attempts to culture Candidatus Liberibacter asiaticus continue

Proposal Title

Culturing Candidatus Liberibacter asiaticus

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
4/1/12	Citrus Research and Development Foundation	Culture, Molecular Biology, Koch's Postulates

REPORT UPDATE (500 words; summarize your accomplishments)

Thus far, 686 media formulations have been tested to support planktonic growth of Candidatus Liberibacter asiaticus (Las). No substantial planktonic growth was observed in any of the media. Various medium additives, such as a lipid mixture, individual amino acids such as asparagine, mineral salts, and peptone preparations appeared to promote biofilm formation of the surface of alimentary canals of Diaphorina citri used as a source of inoculum. Deposition of Las onto the bottom of culture plates by centrifugation in an effort to simulate formation of biofilms appeared to promote grow of Las in some medium formulations. This line of research is being further pursued.

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Organization University of Florida/CREC

Project Number 407

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

Total Funds (current year) $32,500.00

SUBMIT REPORT

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.