Florida Citrus Advanced Technology Program

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

Instructions Complete the fields based on your project specs. When finished, save the form to your local disk using a unique name. Then, go to **http://research.fcprac.com**, and log in with your user name and password using Researcher Login in the lower left. Find this project title and click on **Submit a Report**. Update your profile information if needed, then upload this report as directed.

2009-2010 REPORT	CATEGORY (drop-down)	TODAY'S DATE (m/d/yr)
◉ *Quarterly Report* ○ *Annual Report* ○ *Final*	Management	10/5/11

WHAT IS THE "HEADLINE" FOR THIS REPORT (e.g. a one-sentence "newspaper headline" describing what you accomplished)

Attempt to culture Liberibacter asiaticus continue

TITLE and CONTACT INFORMATION

Proposal Title Culturing Liberibacter asiaticus

Principal Investigator Michael J. Davis	*PI Last Name* Davis
Email mjdavis@ufl.edu	*FDACS Contract Number* 00081451
Phone 863 956 8640	*Project Duration (years)* 1 *Year of Project* 1
Organization UF/IFAS CREC	*Total Direct Funds (current year)* 65,000

REPORT UPDATE (650 words; provide details about your headline)

Using Liberibacter from the alimentary canals of psyllids as inoculum, we have tested over 560 media formulations for growth of liberibacter. Some formulations support prolonged survival of Liberibacter in culture. After 2-3 weeks in culture, masses of Liberibacter have been observed in biofilms on the psyllid alimentary canals used as a source of inoculum and streaming from the canals into the media. We will to continue testing different formulations of the media to determine if they will support planktonic growth of Liberibacter. Information obtained from the genome sequence of Liberibacter and by comparing that genome with the genome of the closely related Babaco bacterium from culture is being used to devise new media formulations. Other possible growth factors, such as diffusible signal factors produced by the psyllids, are also being evaluated.