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

PROJECT	QUARTER END September 🔽 20	020	Q	uarterly Re	eport 🔵 Final	
Proposal Title						
Developing near and long-term management strategies for Lebbeck mealybug (Nipaecoccus viridis) in Florida citrus						
Today's Date 09/13/2020	Sponsoring Organization (drop-down)		Category (drop do	own)		
	Citrus Research and Development For	undation	Other			•
 (1a) Field Monitoring with mobile stages: All methods field tested to date have failed for monitoring tools, our team has redesigned the methodology using lab colonies and will be testing in mid to late September. Field Monitoring with pheromone attraction: Protocol is designed and will be deployed when field populations appear to become more active; (1b) Screening of effective materials and adjuvants: Entomopathenogenic Fungi (EPF) screening completed for late nymphal instars, look like an ideal candidate for use in IPCs. Screening of commercially available insecticides labelled for use in FL citrus completed, has been presented and in preparation for publication; (1c) Evaluate promising materials in open grove setting; grover validation of some materials that worked well in lab assays (not formal trials); (13) Evaluate ant management ap part of grave management plants: documentation of ant species that are present and impacts on predator establishment (ongoing work, unpublished); (1e) Evaluate management options for IPCs: 3 field sites located for testing EPFs, sites prepared and will be treated once weather improves (need a drier day to complete applications and sampling). (2a) Assessment of predators: Collection of potential predators continued through summer, primers have been deisgned and validation is almost complete; (2b) Determine how to implement mealybug management concurrent with other pest management (anticipated start summer 2021); (2c) Develop tools to minimize spread: ongoing evaluation of sterilization methods, trying to find what works and is reasonable for growers to implement 2. Please state what work is anticipated for next quarter: (14) We anticipate taking monitoring method if we see male cocons in field populations this fall, if not that will occur in Spring 2021; (1b) Expand life stages tested in conventional insecticide tests, develop assays for determining wax penetration degradation by adiuvants; (1c) Tests planned in research plant						
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Email Idiepen	brock@ufl.edu	Project Dura	ation (years)	2	Year of Project	1
Phone 863-95	6-8801/ 314-341-2652	% Completion	on of Objectiv	es (FDAC	S requirement)	20.00%

CITERIS RESEARCH AND DEVELOPMENT FOUNDATION.