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*	Psyllid	7/15/09

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

TITLE and CONTACT INFORMATION

Proposal Title Direct Grower Assistance: Development and Evaluation of Citrus Grower Psyllid Management Programs

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Phone 863-956-1151	*Project Duration (years)* 2 *Year of Project* 1
Organization UF/IFAS/CREC	*Total Direct Funds (current year)* 107,723

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

The purpose of this project is to provide direct entomological support to citrus growers on the east coast of Florida, particularly with regards to evaluating current psyllid control programs. Funding provided supports the efforts of Dr. Pasco Avery, located at the IRREC (Ft. Pierce), to meet these needs. The following is a summary of Dr. Avery's activities since April 2009:

1) Evans Properties - Okeechobee (1,103 acres under field trials)-Bluefield Division :Helped assess the effectiveness of aerial spray program with Malathion 5® for managing psyllids using yellow sticky cards. (514 acres).Will evaluate efficacy of PFR 97™ for management of psyllids sprayed on citrus trees to be pushed out. Psyllids will be monitored using yellow sticky traps, tap and flush samples.-Adams Division: Helped assess the effectiveness of aerial spray program with Malathion 5® for managing psyllids and Caribbean fruit fly using yellow sticky cards.

2) Packers of Indian River, Ltd. - Ft. Pierce (2, 588 acres); Vero (600 acres); Punta Gorda (440 acres) = 3, 628 acres monitored: Continue monitoring psyllid populations along the border using yellow sticky cards. Produce a graphic distribution for assessing the psyllid population dynamics throughout the year and in the different areas. Use FAWN data to identify possible correlation with weather patterns and abundance of psyllid populations.

3) IMG Citrus - Fellsmere (60 acres under field trials): Will assess the psyllid population abundance on orange and grapefruit to determine if there is a difference between tree types under similar management strategies. This will be assessed using sticky traps, flush samples and flush density throughout 2009.

4) Pine Ranch, Inc. - Lorida (64 acres under field trials): Continue assessing the effectiveness of various chemical sprays for managing psyllids using yellow sticky traps, tap and flush samples.

5) River Country Citrus, Inc. - Okeechobee (83 acres under field trials): Continue assessing the effectiveness of various chemical sprays for managing psyllids using yellow sticky traps, tap and flush samples and flush density throughout the year 2009.

7) St. John's Management District - Vero Beach and Ft. Pierce (22, 500 acres under field trials): Continue assessing the effectiveness of aerial spray program for managing psyllids using yellow sticky card trap samples. Samples are being assessed from Premier Citrus, Packers of Indian River, Becker Groves and Grave's Brothers Company.

8) Orange Avenue Grower's Association - Ft. Pierce (9,800 acres under field trials): Continue assessing the effectiveness of aerial spray programs for managing psyllids using yellow sticky traps.

9) Hammond Citrus and Nurseries – Vero Beach: Assessing the effectiveness of various chemical sprays for managing psyllids using yellow sticky traps.

10) Blue Goose – Ft. Pierce and Indiantown: Assessing the effectiveness of various chemical sprays for managing psyllids using yellow sticky traps.2. Comparing and assessing the effectiveness of different chemical spray strategies (low, medium and extensive) for managing psyllids.

11) IRREC – Ft. Pierce: 1. Evaluating PFR 97™ persistence in the field sprayed on small trees 1, 7, 14 and 21 days post-spray for managing psyllids using dilution plating and counting the number of colony forming units over time. Also percent mortality of adult psyllids after being exposed to leaves collected 1, 7, 14 and 21 days post spray will be assessed.