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)

Maintaining research trials at Mid Florida Citrus Foundation

Proposal Title

Expand Research Plots and Maintain Existing Areas at Mid Florida Citrus Foundation

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
4/2/12	Citrus Research and Development Foundation	Unclassified

REPORT UPDATE (500 words; summarize your accomplishments)

Mid Florida Citrus Foundation (MFCF) a 501c5 not for profit organization which has supported (past 25 years) and currently supports citrus research efforts of scientists from the University of Florida, USDA and private industry. The MFCF supports citrus research through the employment of a full time grove manager whom works closely with researchers to ensure that their projects are handled properly and that the grove is an excellent condition. The management of this grove requires extra financial commitment as grove care costs tend to be higher than commercial groves due to the nature of many of the research projects. Current projects being conducted at the MFCF are Asian citrus psyllid (ACP) pesticide evaluation control trials, low volume applicator trials, windbreak evaluation, HLB nutritional programs, new and existing herbicide trials, variety and rootstock evaluation trials.

During the recently completed quarter (January 1 to March 31, 2012), the following highlights occurred at the Mid Florida Citrus Foundation – A.H. Krezdorn Research Grove:

• A trial/demonstration involving the application of DuPont Vydate™ Insecticide/Nematicide to improve the root health of young Valencia orange trees was initiated. DuPont staff will assist in evaluations of this grower trial.
• Dr. Singh initiated a trial to evaluate a pre-mix product containing Oryzalin and Glyphosate for efficacy in young citrus plantings.
• Applications continued and harvest of the Midsweet and Valencias occurred in the large scale nutritional demonstration/trial where four different commercial programs are under evaluation.
• BASF is reporting positive response on melanose and greasy spot control in their ongoing Headline™ evaluations.
• Drs. Stelinski and Rogers have continued evaluations of Asian citrus psyllid and citrus leafminer management in their areas.
• Drs. Albrigo and Wong have continued to evaluate antibiotics to manage HLB.
• The Plant Improvement Group is reporting observations of differences in foliar HLB symptom expression and fruit drop among approximately 20 clones of Valencia being evaluated.
• Additional small plantings have been made:
o Approximately 1 acre for Dr. Futch for herbicide studies
o Additional selections for the New Varieties Development and Management Corporation
• The Sugar Belle® area will be hedged to reduce crop load and improve fruit size and quality.
• A field day attended by 71 growers was held on March 1, 2012 and focused on:
o Large scale commercial nutritional program demonstration/trial
o Asian citrus psyllid management
o Leafminer monitoring and management
o USDA citrus rootstock evaluations
o Critical temperatures in citrus grove canopy during freeze events

PI First Name Gary

PI Last Name England

Email gke@ufl.edu

Phone 352-343-4101 Ext. 2729

Organization Mid Florida Citrus Foundation

Project Number 238

Project Duration (years) 3 *Year of Project* 3

Total Funds (current year) $50,000.00

SUBMIT REPORT

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.