



Highlands Citrus E-Talk

Vol. # 3 No. 3

March 2010

2010 Florida Citrus Growers Institute

Tuesday, April 13, 2010, 8:00 a.m. to 3:30 p.m.

**South Florida Community College Theatre for the Performing Arts
Avon Park, Florida**

Program Areas will include speakers on:

1. Asian Citrus Psyllid Management & Practical HLB Field Experience
2. HLB Management
3. Plant Improvement Genomics

Speakers will be from Florida, California, and International venues.

A copy of the program is attached. CEU's are approved for both RUP and CCA. 6 CEU's can be obtained in Private Applicator, Ag Tree Crop or Demonstration Research categories for RUP, and 4.5 CEU's for CCA Pest Management or 1 CEU for Crop Management.

The Florida Citrus Growers Institute is organized by the Florida Extension Citrus Agents UF/IFAS.

Please mark your calendar and plan to attend.

Pre-Registration is required.

**For registration, please contact
Jane Wilson at (863) 956-1151 2
or mjw@crec.ifas.ufl.edu**

Lunch is provided by sponsors, Bayer Crop Science, Syngenta Crop Protection, AgriQuest Inc., Triangle Chemical Co., and DOW AgriScience.

RUP CEU's Workshop

Tuesday March 30, 2010 8:30 a.m. – 4:30 p.m.
Bert J. Harris, Agricultural Center, Sebring, Florida

You can earn up to 6 CEU's in Private Applicator, Ag Tree Crop, Demonstration & Research, and six other commercial categories or two Limited Certification Categories.



The Registration Fee is \$20.00 payable in advance or at the door (payable to the Highlands Horticulture Advisory Committee). Registration includes lunch. Participants can attend for between 1 and 6 CEU's.

To Register call (863) 402-6540 or email plowboy@ufl.edu.

"IFAS Guidance for Huanglongbing (Greening) Management"

The UF/IFAS Citrus Research/Extension Team has brought together a plethora of information, based on current research, on the current position of UF/IFAS on management of Citrus Greening (Huanglongbing).

This "Guidance Document" is a guide containing options using the current IFAS position on management of HLB to aid you in decision making.

Print it off and when you have time, read it, and set it aside for a while, then read it again. It does not make decisions for you, but it should give you direction and help you with "guidance" as you try to cope with this pest.

This document is dynamic and will be modified as research lends to future improvements.

Florida Citrus Agents Survey

The Florida Extension Citrus Agents work cooperatively on educational programs. We need to survey these who participate in our programs to: 1). effectively evaluate the relevance of programs, 2). to determine how participants utilize the information received, and 3). to respond to funding sources for our programs such as grants and sponsors.

If you attended the Florida Citrus Grower Institute Symposium last Spring (April 2009) in Bartow, or one of the Fall 2009 Low Volume Technology Workshops in one of the six locations, would you take four minutes and complete the survey at the following computer link:

<http://www.surveymonkey.com/s/BWBDFYH>

Thank you.

Florida Citrus Industry Coordinating Council Annual Report

The FCIRCC has issued its Annual Report for 2009. The council annually establishes research priorities based on input from all segments of the industry. Attached is a copy of the report summary. If you want to see the full report, go to www.fcircc.org.

2011 Youth Citrus Project

The 2010 Youth Citrus project was very successful with 32 young people growing citrus trees and displaying them at the fair. The objective of creating more awareness and understanding of citrus and the Highlands Citrus industry by these young people was met.



We are now taking applications for the 2011 Youth Citrus Project. This project is open to all youth including 4-H & FFA members between the ages of 8 and 18. Also, they must be in the 3rd-12th grade for the 2010-2011 school year.

Attached is a flier announcing the 2010 program.

If you know of some young person who should consider entering this project have them contact me at (863) 402-6540 or plowboy@ufl.edu and I will get them a registration form.

Registration forms are due by April 16, 2010 to the Highlands County Extension Office, 4509 George Blvd., Sebring, FL, 33875.

Participants must attend the First Workshop Youth Citrus Program Workshop Thursday evening April 22nd, 2010 6pm-7:30pm at the Bert J. Harris Agricultural Center.



Citrus Mechanical Harvesting

UF UNIVERSITY of
FLORIDA
IFAS

Citrus Mechanical Harvesting Field Day and Workshop: Overcoming Obstacles and Making the Transition

Wednesday, April 21, 2010 8:00 a.m. – noon

Field Trip 8:30 a.m. Program 10:00 a.m.

Lunch: Noon

University of Florida, Southwest FL Research and Education Center
2685 State Road 29 North
Immokalee, FL 34142

**RSVP for workshop and/or field trip:
Barbara Hyman at hymanb@ufl.edu or call (239) 658-3400**

Citrus Flower Bud Induction Advisory

Dr. Gene Albrigo during the fall and spring issues regular Flower Bud Induction Advisories based on weather related parameters. It is an excellent tool to predict flower bud initiation. This year has

been one of those years where the use of this tool is magnified because of long periods of cool temperatures.

Some pinfeather flush and bud break has been observed; however, it has been slowed dramatically due to recent cold temperatures.

One of the biggest spin-offs of this advisory is the aid in planning sprays that relate to bloom period as we attempt to control psyllids while and avoid applications during high bee activity.

The current advisory (March 5, 2010) is as follows:

FLOWER BUD INDUCTION ADVISORY #11 for 2009-2010-03/05/10

Current status for 2009-10 Bloom –Due to the cool weather, predicted full bloom dates have been pushed back about one week in central and northern areas and 3 or 4 days later in southern areas. The predicted full bloom dates are 19-21 March in southern areas, 25 to 27 March in central areas, and 29 to 30 March in northern areas. These dates may be pushed back one or two more days from the cold weather predicted into this week end. The warmer weather next week should advance bud growth and full bloom will come quickly if warm weather continues after next week.



In central Florida daytimes highs are projected to be above 70 degrees F through Sunday, March 14th.

Although a single intense bloom should be the norm, some blocks have little bud push while others have buds out 2 cm with the flowers clearly visible. This situation exists in Valencia blocks from Lake Alfred to Lake Placid and perhaps in all districts. A scattering of inflorescences have been observed that were near full bloom, but no healthy trees were seen with a general full bloom. With the induction levels experienced this year, I expect that most buds will produce more than one flower. Most buds appear to have leaves as well as flowers, necessary for good fruit set.

Unless unusual weather occurs, I will update these reports in two weeks, about March 19th. If you have further questions, please contact me (albrigo@ufl.edu).

For more information from the Flower Bud Induction Advisory click on the following link:

http://www.crec.ifas.ufl.edu/extension/flowerbud/2010/03_05_10.htm

Tim Hurner,
Multi-County Citrus Extension Agent
Highlands County

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Email: plowboy@ufl.edu • Web Site: <http://highlands.ifas.ufl.edu>

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Cooperative Extension Services, University of Florida, IFAS, Florida A. & M. University Cooperative Extension Programs,
and Boards of County Commissioners Cooperating.

PURPOSE OF THE SYMPOSIUM

Citrus Greening or Huanglongbing (HLB) continues to spread throughout citrus production areas of Florida. The 2010 Florida Citrus Growers' Institute is an opportunity for Florida citrus growers to come together under a single purpose to learn about effective management of this devastating disease. Topics this year include Asian citrus psyllid management, HLB field experience, HLB management, plant improvement and genomics.

CONTINUING EDUCATION UNITS

Continuing Education Units (CEU's) will be offered for holders of restricted use pesticide licenses (RUP) and certified crop advisors (CCA). Six CEU's will be offered in the following categories: private applicator, agricultural tree crop, and demonstration & research for RUP holders. CCA's will be offered CEU's in the pest management (2 CEU's) and crop management (2.5 CEU's) categories.

SPONSORS

PLATINUM

Bayer CropScience

FMC Corporation

Syngenta Crop Protection

GOLD

AgraQuest, Inc

SILVER

Triangle Chemical Company

BRONZE

Dow AgroSciences

Valent USA



DIRECTIONS

The South Florida Community College is located at 600 W College Dr in Avon Park.

From the South: Take U.S. Hwy. 27/98 north towards Avon Park, turn east onto W College Dr and follow the signs to the Theatre.

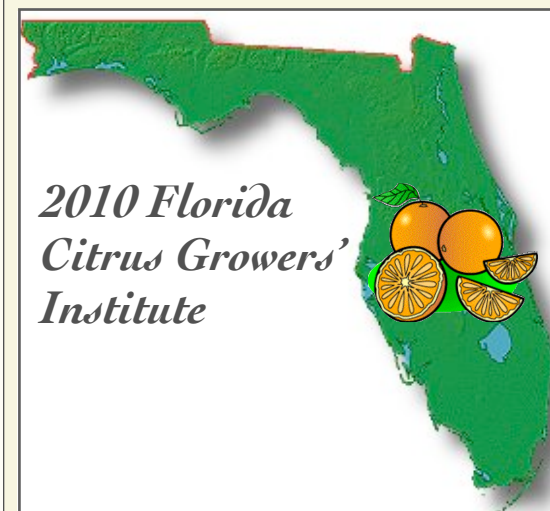
From the North: Take U.S. Hwy. 27/98 south to Avon Park, continue south to W College Dr, turn east onto W College Dr and follow the signs to the Theatre.

From the East: Take U.S. Hwy. 98 north to where U.S. Hwy. 27/98 merge south of Sebring. Proceed on U.S. Hwy. 27/98 north towards Avon Park, turn east onto W College Dr and follow the signs to the Theatre.

From the West: Take S.R. 64 east to Avon Park, turn south on U.S. Highway 27/98 to W College Dr, turn east onto W College Dr and follow the signs to the Theatre.

SOUTH FLORIDA COMMUNITY COLLEGE
THEATRE FOR PERFORMING ARTS
600 W COLLEGE DR
AVON PARK, FL

FLORIDA CITRUS GROWERS' INSTITUTE



Conducted by -
University of Florida, IFAS Extension
Florida Citrus Production Research
Advisory Council

Greening Research Task Force
South Florida Community College
Theatre for Performing Arts
Avon Park, Florida
April 13, 2010

2010 Florida Citrus Growers' Institute

PROGRAM AGENDA

TUESDAY, APRIL 13, 2010

8:00 AM - Registration

8:25 AM - Welcome and Introductions

ASIAN CITRUS PSYLLID MANAGEMENT & PRACTICAL HLB FIELD EXPERIENCE

8:30 AM - Effect of Insecticides on HLB Pathogen Transmission by Psyllids - *Dr. Michael Rogers*, CREC

8:45 AM - Current and Emerging Psyllid Management Tools and Pesticide Resistance - *Dr. Lukasz Stelinski*, CREC

9:00 AM - The Future of Psyllid Management - *Dr. Phil Stansly*, SWFREC

9:15 AM - Effect of Light and Cultural Practices on Behavior of Asian Citrus Psyllids - *Dr. Mamoudou Setamou*, Texas A&M, Kingsville Citrus Center, Weslaco, TX

9:45 AM - Managing an Insectory - *Dr. Shawron Weingarten*, Orange Co., Arcadia, FL

9:55 AM - Lessons Learned from 4 Years of HLB Management - *Mr. Mike Irey*, United States Sugar Corp., Clewiston, FL

10:10 AM - Florida Citrus Industry Research Coordinating Council Update - *Mr. John Jackson*, Director, Lakeland, FL

10:20 AM - Florida Citrus Administrative Committee - *Mr. Duke Chadwell*, Manager, Lakeland, FL

10:25 AM - Break

HLB MANAGEMENT

10:45 AM - Update on Systemic Acquired Resistance in Plants - *Dr. Arnold Schumann*, CREC

11:00 AM - Nutrition and SAR's Effects on HLB Infected Trees - *Dr. Bob Rouse*, SWFREC

11:15 AM - HLB Infected Citrus Tree Yield and Health when on a Nutritional Program - *Dr. Tim Spann*, CREC

11:30 AM - Advanced Production Systems in Florida - *Dr. Kelly Morgan*, SWFREC

11:45 AM - South Africa's Perspective on Advanced Citrus Production and Greening - *Dr. Hennie le Roux*, Citrus Research International, Nelspruit, South Africa

12:30 PM - Lunch

PLANT IMPROVEMENT AND GENOMICS

1:30 PM - Breeding, Genomics and Genetic Engineering - What This all Means to a Grower - *Dr. Mikeal Roose*, University of California - Riverside, Riverside, CA

2:00 PM - USDA Plant Improvement - *Dr. Ed Stover*, USDA/ARS, Ft. Pierce, FL

2:15 PM - Genetic Engineering Approaches to Solving HLB and Canker - *Dr. Jude Grosser*, CREC

2:30 PM - Transforming Tristeza to Give Trees Resistance to HLB - *Dr. Bill Dawson*, CREC

2:45 PM - DNA Mining Shows that Liberibacter is Lone Cause of HLB - *Dr. Eric Triplett*, UF/IFAS, Gainesville, FL

3:00 PM - Genome Sequencing and Application to Genetic Improvement - *Dr. Fred Gmitter*, CREC

3:15 PM - Southern Gardens Genetically Modified Citrus Trees - *Mr. Rick Kress*, Pres., Southern Gardens Citrus., Clewiston, FL

3:30 PM - Adjourn

CES: County Extension Service

CREC: Citrus Research & Education Center, Lake Alfred, FL

SWFREC: Southwest Florida Research & Education Center, Immokalee, FL

UF/IFAS: University of Florida, Institute of Food and Agricultural Sciences

USDA/ARS: United States Department of Agriculture/Agricultural Research Service

PRE-REGISTRATION

FLORIDA CITRUS GROWERS' INSTITUTE

April 13, 2010

**REGISTRATION
REQUIRED**

Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Phone: _____

Email: _____

Please send registration to:

Jane Wilson, Citrus REC, 700 Experiment Station Road, Lake Alfred, FL 33850

Phone: 863-956-1151, Fax: 863-956-4631 or email: mjw@crec.ifas.ufl.edu

Need CEUs?

An opportunity for licensed pesticide applicators to earn CEUs will be held March 30, 2010 from 8:30 to 4:00 EST.

The event will be conducted via Polycom at the UF/IFAS Highlands County Extension office. An Extension agent will be on hand to attend to any or all of the 6 sections for pesticide licensing recertification credit.

A total of 6 FDACS-approved CEUs are available for the entire day in the following categories:

Agricultural Row Crop

Agricultural Tree Crop

Aquatic Pest Control

Demonstration & Research

Forest Pest Control

Natural Areas Weed Management

Ornamental & Turf

Private Applicator Agriculture

Right-of-Way Pest Control

Pest Control Operator - Lawn & Ornamental

Limited Commercial Landscape Maintenance

Limited Lawn & Ornamental Pest Control

Address

4509 George Blvd.
Sebring, FL 33875-5837

Phone

(863) 402-6540

Web Site

<http://highlands.ifas.ufl.edu/>

Directions\

The Extension Office is located at the intersection of US-27 and George Boulevard, at the Bert J. Harris Jr. Agricultural Center. This Center is on the west side of US-27. There is a yellow flashing light at the intersection. It is located approximately 1 mile south of Highlands Regional Hospital and ½ mile north of the intersection of US-98, US-27, and SR-66. The concrete, one-story, off-white building is located in the middle, in front of the building.

County Map



Highlands County Extension is a cooperating service of the Highlands County Board of County Commissioners and the University of Florida. The Institute of Food and Agricultural Sciences (IFAS) is an Equal Employment Opportunity - Affirmative Action Employer authorized to provide research, educational information and other services only to individuals and institutions that function with non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, marital status, national origin, political opinions or affiliations. U.S. Department of Agriculture, Cooperative Extension Service, University of Florida, IFAS, Florida A. & M. University Cooperative Extension Program, and Boards of County Commissioners Cooperating.



Agenda

Time	Topic	Speaker
8:30 – 9:00	Register and convene at participating locations	

Need CEUs?

9:00 – 9:50	"How Different Kinds of Herbicides Work"	Greg MacDonald
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**IFAS
CEU Day
2010**



10:05 – 10:55	“Plant Anatomy: The Route of Herbicides Into and Within Plants”	<i>Clyde Smith</i>
11:10 – 11:35	“New Herbicide Registrations and Use Patterns”	<i>Mike Netherland</i>
11:35 – 12:00	“Managing Herbicide Applications Against Development of Resistance”	<i>Bill Haller</i>
1:00 – 1:50	“New Weeds to be on the Look-out for”	<i>Colette Jacono</i>
2:05 – 2:30	“Integrating Biological Controls and Herbicides”	<i>Jim Cuda</i>
2:30 – 2:55	“What is NPDES and How it May Affect Herbicide Applicators”	<i>Mark Mossler and Fred Fishel</i>
3:10 – 3:35	“Which Herbicide to Use”	<i>Jason Ferrell</i>
3:35 – 4:00	“Minimizing Non-target Herbicide Effects”	<i>Ken Langeland</i>

Please call Dr. John C. Alleyne for CEU information or Rachel for pre- registration (863) 402 6540. Deadline for registration is March 23.

Cost \$20.

Credit for Certified Crop Advisors with Pest Management Certification has been applied for and is pending approval.