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# Treasure Coast Citrus Notes

## August - 2010

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### Advanced Citrus Production Systems Website

The Advanced Citrus Production System project has been underway for several years now and is developing a lot of new information that should prove very useful to those growers who have committed to planting new groves in the greening disease era. The project incorporates elements of "open hydroponics" or intensive fertigation, high planting density and a suitable rootstock combination capable of producing a compact tree and an efficient root system in the fertigated zone. The Central Florida Ridge Site was planted in early 2009 on property owned by Gapway Groves in Auburndale.

Early data gained from that experimental site has already shown considerable savings in both water and fertilizer use while also producing accelerated tree growth and early yields.

Another project is underway in Indiantown that incorporates all of the classic elements of the concept and also trials with windbreaks, mulches and Asian Citrus Psyllid management techniques. You'll be hearing more about this project in the near future.

To visit the Advanced Citrus Production System website and access a brand new Powerpoint presentation that has been posted, click on the following link:

<http://128.227.177.113/ACPS/Index.html>

## Citrus Research and Development Foundation

The Citrus Research and Development Foundation, Inc. is a non-profit corporation whose mission is to advance citrus disease research and product development activities that ensure the survival of the citrus industry. The newly designed web site, (formerly located at fcprac.com) aims to reach all stakeholders in the citrus industry and keep them informed with breaking news and updates about research on citrus greening, canker and other exotic diseases.

The new web site address is [www.citrusrdf.org](http://www.citrusrdf.org).

One of the most valuable resources on the web site is the **Quarterly Report Search Engine**. This search engine accesses an online library containing hundreds of reports, submitted in real-time, in which researchers present specific results in areas that include psyllid management, nutritional approaches to disease control, low-volume spraying, genetics, physiological studies and more. Growers can easily search progress report archives containing updates on all projects funded by the organization. Legacy reports dating back to 1998 are also available online. Several additional search features are also planned for release over the next few weeks.

[Quarterly Report Search Engine](#)



# Packinghouse Day & The Indian River Postharvest Workshop

2010 Programs

## Packinghouse Day

**When:** Thursday, August 26<sup>th</sup>, 2010

**Where:** Citrus Research and Education Center, 700 Experiment Station Road,  
Lake Alfred, FL 33850

**Time:** Registration opens at 8:30 A.M., Program starts at 9:30 A.M.

**Lunch Sponsor:** DECCO

## Indian River Postharvest Workshop

**When:** Friday, August 27<sup>th</sup>, 2010

**Where:** Indian River Research and Education Center, 2199 S. Rock Rd., Ft.  
Pierce, FL 34945

**Time:** Registration opens at 8:30 A.M., Program starts at 9:30 A.M.

**Lunch Sponsor:** JBT FoodTech

**This year, information related to citrus black spot will dominate both programs. Presentations will include:**

- Citrus black spot and its management in Brazil - Dr. Eduardo Feichtenberger (Sao Paulo State Department of Agriculture, Brazil)
- Citrus black spot (*Guignardia citricarpa*): identification, biology, and control in Florida – Megan Dewdney & Natalia Perez (UF IFAS CREC & GCRC)
- Updates about the latest Federal and State activities and regulations related to citrus black spot.  
Michael Hornyak & David Munyan (USDA CHRP)  
Dr. Tim Schubert – (FDACS DPI)
- New techniques of detecting infected and damaged fruit using ultraviolet light –  
Dr. David Obenland (USDA ARS, California)
- Pre- and postharvest techniques to minimize peel breakdown of fresh citrus –  
Dr. Mark Ritenour (UF IRREC)

No pre-registration required.

For questions and the latest details, contact Mark Ritenour at 772-468-3922, ext. 167 ([ritenour@ufl.edu](mailto:ritenour@ufl.edu)).

# Citrus Management Strategies in a new Disease Era

A Citrus Extension Agent Fall Mini-Series Program

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



## Program Agenda

- 8:30 am Registration
- 9:00 am Citrus Black Spot Management Update
- 9:40 am Asian Citrus Psyllid Management
- 10:20 am Break
- 10:40 am Growing a Young Citrus Tree in the Greening Era
- 11:20 am Foliar Feeding and SAR for Citrus Trees
- 12:00 pm Sponsored Lunch

*Continuing Education Units (CEUs) will be offered for Certified Pesticide Applicators and Certified Crop Advisors.*



## Speakers

Steve Futch	Chris Oswalt	Gary England
Tim Gaver	Mongi Zekri	Ryan Atwood
Tim Hurner		



## Meeting Dates and Location

September 29 <sup>th</sup>	Lake County Extension Service Office	1911 Woodlea Road, Tavares
September 30 <sup>th</sup>	Bert J. Harris Agricultural Center	4509 George Blvd., Sebring
October 5 <sup>th</sup>	Indian River Research and Education Center	2199 South Rock Road, Ft. Pierce
October 7 <sup>th</sup>	Southwest Florida Research and Education Center	2685 SR 29 North, Immokalee
October 12 <sup>th</sup>	Turner Agri-Civic Center Exhibition Hall	2250 NE Roan Street, Arcadia
October 14 <sup>th</sup>	Polk County Stuart Conference Center	1710 Hwy 17 South, Bartow

*For more information, please contact the local multi-county citrus extension agents.*

## To register for a specific location, please contact:

Tavares	Lake County Extension Service	352-343-4101
Sebring	Highlands County Extension Service	863-402-6540
Ft. Pierce	St. Lucie County Extension Service	772-462-1660
Immokalee	Hendry County Extension Service	863-674-4092
Arcadia	Desoto County Extension Service	863-993-4846
Bartow	Polk County Extension Service	863-519-8677

***Pre-registration is required.***



## Syngenta Agri-Flex Miticide/Insecticide Label

Syngenta Crop Protection has announced the release of Agri-Flex Miticide/Insecticide for the control of Asian Citrus Psyllid, Citrus Leafminer, Citrus Rust Mite and number of other citrus pests. This Restricted Use Pesticide is a combination of the active ingredients abamectin and thiamethoxam and is labeled for both ground and aerial application. Contact your pesticide supplier or Syngenta Crop Protection representative for more information.

<http://www.cdms.net/LDat/ld9K6000.pdf>

## It's Time for Soil and Tissue Testing

July and August are the best months to complete your 2010 tissue testing efforts in order to maximize the efficiency of your citrus nutritional program. Leaf tissue analysis is a useful tool to detect problems and adjust fertilizer programs for citrus trees because leaf nutrient concentrations are the most accurate indicator of fruit crop nutritional status.

The best time to gather 4 to 6-month- old spring flush leaves is during July and August before the emergence of the late summer or fall flush makes it more difficult to separate the spring flush leaves. Leaf mineral concentrations are constantly changing; however these concentrations are relatively stable from 4 to 6 months after emergence in the spring.

Soil testing is most valuable when testing is conducted over a period of several years in the same locations and the resulting trends may be noted. Soil testing can be useful for tracking pH, P, Mg, Ca and Cu levels, but soil testing for readily leached nutrients like N and K will yield little or no practical value. Tests should be taken in early fall after the heavy leaching rains that occur in late summer. It should be noted that a citrus grower should not rely on soil tests alone for formulate a fertilizer program or to diagnose a nutritional problem in a grove.

I recently had the opportunity to look at a large soil sampling database from groves in the Indian River area. There were a significant number of samples with pH values well below the recommended range of 5.5 to 6.5. Keeping pH values within this recommended range assures that most of the essential nutrients that you apply are readily available to your trees. The availability of N, P, K, Mg and S decline rapidly at pH values lower than 5.5. The cost of liming materials is relatively low compared to the current high cost of blended fertilizers or source materials.

For more information about soil and tissue testing, and how to properly take those samples, see Chapter 4 of Nutrition of Florida Citrus Trees, Second Edition:

<http://edis.ifas.ufl.edu/pdffiles/SS/SS47800.pdf>

## Quick Reference Guide to Citrus Insecticides and Miticides

A few changes have been made to this very handy reference:

- Increase in Dimethoate REI from 48 hrs to 10 days

Please save the new version to your computer files. I have laminated copies for your quick reference in my office if you need them.

<http://edis.ifas.ufl.edu/pdffiles/IN/IN80700.pdf>

## Pesticide Applicator Training Opportunities

### General Certification Standards (CORE) Training & Testing

- Wednesday, September 1, 2010, 9:00 AM to 10:40 AM with exam to follow.
- Cost is \$20 with checks payable to SLC Extension Advisory Council
- Call (772) 462-1660 to **pre-register** or for more information:

[http://stlucie.ifas.ufl.edu/pdfs/natural\\_resources/sept2010%20-%20Core.pdf](http://stlucie.ifas.ufl.edu/pdfs/natural_resources/sept2010%20-%20Core.pdf)

## Citrus Industry Magazine

- Pesticide Mixing, Loading & Application
- One General Standards (CORE) CEU

<http://www.citrusindustry.net/ceu1.html>

## Florida Grower Magazine

- General Standards (CORE) CEU's

<http://www.growingproduce.com/floridagrower/ceu/>

## Upcoming Dates to Remember

- **Packinghouse Day**, Thursday, August 26, Citrus Research and Education Center, Lake Alfred.
- **Indian River Postharvest Workshop**, Friday, August 27, Indian River Research and Education Center, Ft. Pierce.
- **Citrus Management Strategies in a New Disease Era**  
Citrus Extension Agent Fall Mini-Series, Tuesday, October 5,  
Indian River Research and Education Center

## Just for Fun

Nugene and Melvin were easing their moving van rig down a two lane road in Central Alabama. Things were going great until they came to an overpass with a sign on it that read CLEARANCE 11' 3". They got out and measured their rig and found that it was 12' 5" tall.

"What do you think?" asked Melvin.

"Heck, there's not a cop within 10 miles of here," said Nugene. "Let's go for it!"

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Bubba and Virgil were out walking in the woods when they came upon a hidden well in the ground.

"How deep do you think it is?" asked Virgil.

"I don't know," replied Bubba. "Let's drop a rock in it and see how long it takes to hit bottom."

The two rednecks pitched a couple of rocks in the well, but heard no sound. They found a larger rock and threw it in, but still no noise. A short distance away, they saw a large log. They each took an end of the log and managed to tossed it into the well. While they were waiting to hear the splash, a goat ran right between them and jumped into the hole.

As they stood there wondering what just happened, Billie Bob came up to them and asked, "Hey, have you fellas seen a goat around here?"

Well, as a matter of fact we have," said Bubba. "A goat just ran by us and jumped into that hole."

"Oh, that couldn't have been my goat," said Billy Bob. "Mine was tied up to a log."



Take Care,

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**UF/IFAS/St. Lucie Extension Website**

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(Click on the **CITRUS** tab at the upper left for my **CITRUS** pages)

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