

Citrus Notes



Chris Oswalt
UF/IFAS Citrus
Extension Agent
for
Polk &
Hillsborough
Counties

IMPORTANT DATES

AUGUST 16 - 17, 2017

CITRUS EXPO
Ft. Myers

AUGUST 24, 2017

PACKINGHOUSE DAY
Lake Alfred

AUGUST 30, 2017

**FOOD SAFETY AND
MODERNIZATION ACT -
PRODUCE SAFETY RULE**
Lake Alfred

SEPTEMBER 12, 2017

OJ BREAK MEETING
Bartow

CONTACT INFO

POLK COUNTY EXTENSION SERVICE

PO Box 9005, Drawer HS03
Bartow, FL 33831
(863) 519-1052
Email: wcoswalt@ufl.edu

HILLSBOROUGH COUNTY EXTENSION SERVICE

5339 County Road 579
Seffner, FL 33584
(813) 744-5519
Ext. 541231

2017

Citrus Expo

**CITRUS
EXPO** 2017

The 2017
Citrus Expo
will begin
on
Wednesday,

August 16, 2017 in Fort Myers at the Lee Civic Center. The address is 11831 Bayshore Road, North Ft. Myers, FL 33917. The Expo runs through lunch Thursday, August 17, 2017.

The UF/IFAS Citrus Research and Education Center (CREC) will again have a significant presence in the trade show area of the Expo. Registration information can be found at the following website: <http://citrusexpo.net/registration/grower-registration/>. The following is the program agenda for this year's Expo:

Wednesday, August 16, 2017

9:30 - Gary Cooper, AgNet Media, Inc.

Welcome, announcements and introduction

9:40 - Fred Gmitter, UF/IFAS/ CREC

What to plant now: new varieties from University of Florida/Institute of Food and Agricultural Sciences (UF/IFAS)

10:10 - Kim Bowman, USDA/ARS

What to plant now: new varieties from the U.S. Department of Agriculture/ Agricultural Research Service (USDA/ ARS)

10:40 - Arnold Schumann, UF/ IFAS/ CREC

Citrus undercover production systems (CUPS): research update

11:10 - Mark Ritenour, UF/IFAS/ IRREC

Production practices and HLB: impacts on fruit marketability

11:40 - Michael Rogers, UF/IFAS/ CREC

Session wrap-up

11:45 - Lunch

Served in the trade show

Afternoon Session

2:00 - Gary Cooper, AgNet Media, Inc.

Opening announcements

2:05 - Travis Chapin, UF/IFAS/ CREC

Food Safety Modernization Act forecast: expectations for the first season under the produce safety rule

2:35 - Phil Stansly, UF/IFAS/ SWFREC

Importance of controlling psyllids in HLB-affected groves

3:05 - Jawwad Qureshi, UF/IFAS/ IRREC

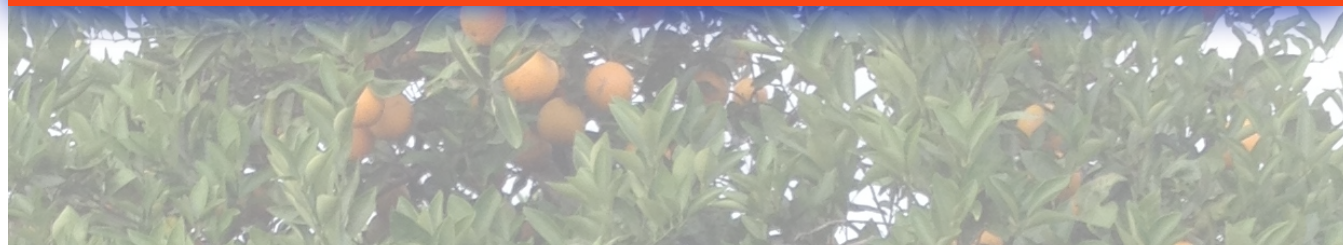
Approaches to managing psyllids and reducing costs

(continued on page 3)

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Food Safety Modernization Act (FSMA)

Produce Safety Rule Training

Fruit and vegetable growers and others interested in learning about produce safety, the Food Safety Modernization Act (FSMA) Produce Safety Rule, Good Agricultural Practices (GAPs), and co-management of natural resources and food safety. The PSA Grower Training Course is one way to satisfy the FSMA Produce Safety Rule requirement.

WHAT TO EXPECT

The trainers will spend approximately seven hours of instruction time covering content contained in these seven modules:

- Introduction to Produce Safety
- Worker Health, Hygiene, and Training
- Soil Amendments
- Wildlife, Domesticated Animals, and Land Use
- Agricultural Water (Part I: Production Water; Part II: Postharvest Water)
- Postharvest Handling and Sanitation
- How to Develop a Farm Food Safety Plan

In addition to learning about produce safety best practices, key parts of the FSMA Produce Safety Rule requirements are outlined within each module. There will be time for questions and discussion, so participants should come prepared to share their experiences and produce safety questions.

BENEFITS OF ATTENDING

The course will provide a foundation of Good Agricultural Practices (GAPs) and co-management information, FSMA Produce Safety Rule requirements, and details on how to develop a farm food safety plan. After attending the entire course, participants will be eligible to

receive a certificate from the Association of Food and Drug Officials (AFDO) that verifies they have completed the training course.

REGISTRATION

****Please note: NO substitutions, transfers, or refunds will be issued within one week of the training start date****

The fee for the training is \$95 for industry participants. A reduced fee of \$80 is available for government/academic employees that make prior arrangements. If you are a member of FFVA, a discounted rate of \$80 is available. (Not sure if you're a member of FFVA? Contact Sonia Tighe at 321-214-5245 or sonia.tighe@ffva.com)

Registration is limited. For general registration questions, contact Sarah McCoy at sarahmccoy@ufl.edu or 863-956-8632. Registration includes the training materials, lunch, refreshments, and a Certificate of Course Attendance issued by AFDO. Participation for the entire training is required for the certificate. This training is supported in part by Florida Department of Agriculture and Consumer Services Training Grant (Contract #00099035). Prefer to register by mail? Click here for the mail-in form and/or eventbrite registration: http://www.crec.ifas.ufl.edu/extension/events/pdf/PSA_083017.pdf

LOCATION

Lake Alfred, FL is accessible from either the Orlando International Airport or the Tampa International Airport. You can access a map and more information about the UF/IFAS Citrus Research and Education Center at <http://crec.ifas.ufl.edu/>.

OJ BREAK SEPTEMBER 12, 2017

This month we have Drs, Fred Gmitter from the UF/IFAS CREC and Ed Stover from the USDA/ARS. They will be making presentations on citrus scion varieties and their current performance with endemic HLB. There will also be additional discussion ongoing efforts to identify and breed more tolerant and less susceptible scion varieties of citrus.

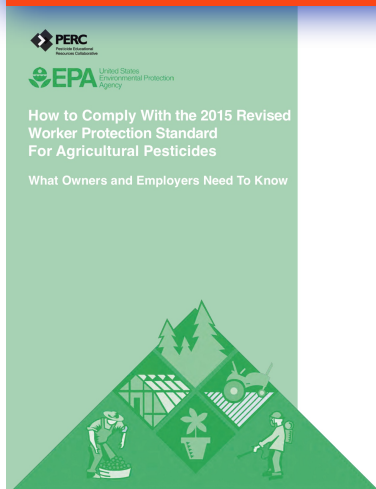
Our September OJ Break lunch sponsor is Bo Meador from AgroSource Inc. makers of Fireline™ and Firewall™. Bo will be taking a few minutes to share the latest product information on their bactericides. Registration is required (see details below).

The Stuart Conference Center is located at 1710 US Hwy 17 S in Bartow, FL. The OJ Break will begin at 10:30 a.m. and conclude after lunch.

Registration

Registration deadline is Friday, September 8, 2017.

To register please contact Gail Crawford by phone at 863-519-1042 or email at dorothy@ufl.edu. You can also pre-register by using the following eventbrite link: <https://september2017polkojbreak.eventbrite.com/>



NEW WORKER PROTECTION STANDARD TRAINING MATERIALS NOW AVAILABLE

Now available from the web are a number of approved training materials for use in training workers and handlers under the newly revised Worker Protection Standard (WPS). The materials are located at the following "Pesticide Educational Resources Collaborative" website: <http://pesticideresources.org/wps/inventory.html#>. The materials are available as documents, powerpoints and videos. When looking at the materials there will be a designation and EPA approval number for the training material. This approval information is what you would need to use to document that the materials used in your training were EPA approved. I have received word that it would be appropriate to start using these materials for training workers and handlers. Remember there are requirements on **who** can administer the training.

(Expo from page 1)

3:35 - Lukasz Stelinski, UF/IFAS/ CREC

Current status and strategies for mitigating insecticide resistance in Asian citrus psyllid populations

4:05 - Megan Dewdney, UF/IFAS/ CREC

Update on managing citrus blackspot, canker and postbloom fruit drop

Thursday, August 17, 2017

9:30 - Gary Cooper, AgNet Media, Inc.

Welcome, announcements and introductions

9:40 - Aaron Himrod, Himrod Citrus Nursery

Florida citrus nursery update

9:55 - Ute Albrecht, UF/IFAS/ SWFREC

Establishing new trees: possible impacts of rootstock propagation method on young tree growth

10:20 - Evan Johnson, UF/IFAS/ CREC

Citrus root health management

10:45 - Stephanie Slinski, CRDF

CRDF bactericide field trial update

11:00 - Ariel Singerman, UF/IFAS/ CREC

Cost of production and the impact of bactericides

11:25 - Tripti Vashisth, UF/IFAS/ CREC

A closer look at some potential grower success stories: research perspective

11:45 - Grower Panel Discussion

A closer look at some potential grower success stories

12:15 - Gary Cooper, AgNet Media

Concluding comments

12:20 - Lunch

Served in the trade show

Farm Labor

Supervisor Training

The fall schedule for Farm Labor Supervisor Training is shown in the attached flyer that also includes registration links and other information.

In short: Sebring: October 10-11; Wimauma October 17-18; Immokalee November 7- 8; and Arcadia November 14-15. Additional dates and locations may be scheduled on request, as well as on-site trainings.

Who should attend? Anyone who directly or indirectly supervises farm workers, including Labor Supervisors, Contractors, Crew Leaders, Foremen, Bus & Van Drivers, Human Resources, Payroll, Compliance, Labor Managers, and Farm Managers.

The fall classes will include new material this season

-- More of the classes will include case studies, and current case studies from 2016 and 2017 will replace the ones we have used in the past.

-- Information about the H-2A guest worker program is being incorporated into three of the standard classes: Farm Labor Contractor Basics; Wage & Hour; and Management Communications.

-- Transportation Rules and Regulations will now be included in Farm Labor Contractor Basics and Wage & Hour, to make room for a new segment called Healthy Farm Employees on the morning of day two.

-- Healthy Farm Employees consists of four classes that will be taught by health-care professionals: Controlling Hypertension; Managing Diabetes; Managing Stress; and Agriculture Healthy & Safe Physical Motion. These classes are important for the attendees individually and will also include valuable information that can and should be passed on to farm worker employees.

-- The Agricultural Equipment Safety class is being redesigned to cover more of the types of equipment hand laborers are involved with, including field trucks and goats, transplanters, hydraulic hammers, knee issues with certain types of ladders, and electrocution in the groves.

See the attached flyer for details, and contact Barbara Hyman (hymanb@ufl.edu, 239-658-3461) or Carlene Thissen (carlene@ufl.edu, 239-658-3449) if you need further information.

2017-18 FLORIDA CITRUS PRODUCTION GUIDE

After a long seven months, this year's version of the Florida Citrus Pest Management Guide is available. The name of the guide is new, now called the Florida Citrus Production Guide, and with this name change comes some significant additions.

The additions include new chapters on the horticultural management of Florida citrus in addition to the pest management information that has always been part of the pest management guide. I have copies available in the Bartow office, so if you need copies stop by the office and our staff can get you what you need. If you are in Hillsborough County, I am leaving a few copies there for your convenience, but please call before making a trip to Seffner.

We will also have copies available at this year's Citrus Expo in Ft. Myers.

2017-2018 Florida Citrus PRODUCTION GUIDE



EDITORS:

M.E. Rogers, M.M. Dewdney and T. Vashisth

Authors:

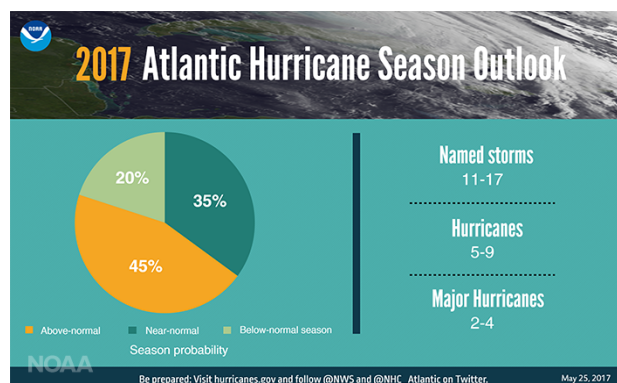
U. Albrecht, F.M. Alvarez, R.H. Brlansky, J.D. Burrow, T.K. Chapin, M.D. Danyluk, W.O. Dawson, L.W. Duncan, M.R. Estes, R.S. Ferrarazi, F.M. Fisher, S.H. Fulch, J.H. Graham, M.E. Hill, R.M. Insarra, E.G. Johnson, D.M. Kadyampakeni, R.G. Kanissary, K.T. Morgan, J.W. Noling, T.A. Obreza, W.C. Oswald, L.R. Parsons, N.A. Pares, J. Popenoe, J.A. Qureshi, M.A. Ritonour, P.D. Roberts, M. Salyani, K.R. Schneider, R.G. Schneider, T.S. Schubert, A.W. Schumann, B.A. Sellers, P.J. Sieburth, M. Singh, P.A. Stansly, L.L. Stelinski, C.I. Vincent, A.L. Wright, M. Zekri

Compost Use Survey

Drs. Mongi Zekri and Monica Ozores-Hampton have put together a compost use survey for Florida citrus growers. I have attached to the end of this newsletter the survey. If you would take the time to complete and return the survey. Instructions are included on the attached compost use survey.

Above-normal Atlantic Hurricane Season

Forecasters at NOAA's Climate Prediction Center say the Atlantic could see another above-normal hurricane season this year.



For the upcoming Atlantic hurricane season, which runs from June 1 through November 30, forecasters predict a 45 percent chance of an above-normal season, a 35 percent chance of a near-normal season, and only a 20 percent chance of a below-normal season.

"As a Florida resident, I am particularly proud of the important work NOAA does in weather forecasting and hurricane prediction," said U.S. Secretary of Commerce Wilbur Ross. "These forecasts are important for both public safety and business planning, and are a crucial function of the federal government." Forecasters predict a 70 percent likelihood of 11 to 17 named storms (winds of 39 mph or higher), of which 5 to 9 could become hurricanes (winds of 74 mph or higher), including 2 to 4 major hurricanes (Category 3, 4 or 5; winds of 111 mph or higher). An average season produces 12 named storms of which six become hurricanes, including three major hurricanes. These numbers include Tropical Storm Arlene, a rare pre-season storm that formed over the eastern Atlantic in April.

"The outlook reflects our expectation of a weak or non-existent El Nino, near- or above-average sea-surface temperatures across the tropical Atlantic Ocean and Caribbean Sea, and average or weaker-than-average vertical wind shear in that same region," said Gerry Bell, Ph.D., lead seasonal hurricane forecaster with NOAA's Climate Prediction Center.

Strong El Ninos and wind shear typically suppress development of Atlantic hurricanes, so the prediction for weak conditions points to more hurricane activity this year. Also, warmer sea surface temperatures tend to fuel hurricanes as they move across the ocean. However, the climate models are showing considerable uncertainty, which is reflected in the comparable probabilities for an above-normal and near-normal season.

From: <http://www.noaa.gov/media-release/above-normal-atlantic-hurricane-season-is-most-likely-year>

REGISTRATION FORM

Please note: NO substitutions, transfers, or refunds will be issued within one week of the training start date.

Registration is also available online at:
<http://psa083017.eventbrite.com>

PSA Training – UF/IFAS Citrus Research & Education Center – August 30, 2017

Name _____

Company _____

Address _____

Email _____

Phone _____

Special meal requirements (vegetarian, etc.)?

Your name exactly as you would like it to appear on your certificate (please write legibly):

Important: Make checks payable to “University of Florida - CREC”

Training registration of \$95 per participant and \$80 for government/academic employees is requested by August 24th, 2017. If you are a member of FFVA, a discounted rate of \$80 is available. (Not sure if you’re a member? Contact Sonia Tighe at 321-214-5245 or sonia.tighe@ffva.com)

Mail check and registration to:

University of Florida - CREC
ATTN: Sarah McCoy
700 Experiment Station Road
Lake Alfred, FL 33850

sarahmccoy@ufl.edu or 863-956-8632

PLANNED PSA TRAININGS

August 30 – Lake Alfred, FL
<http://psa083017.eventbrite.com>

September 18 – Fort Pierce, FL
<http://psa091817.eventbrite.com>

October 3 – Homestead, FL
<http://psa100317.eventbrite.com>

October 9 – Wauchula, FL
<http://psa100917.eventbrite.com>

October 12 – Immokalee, FL
<http://psa101217.eventbrite.com>

October 26 – Marianna, FL
<http://psa102617.eventbrite.com>

November 6 – Live Oak, FL
<http://psa110617.eventbrite.com>

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This training is supported in part by Florida Department of Agriculture and Consumer Services Training Grant (Contract #00099035).

Produce Safety Alliance Grower Training



August 30, 2017

UF/IFAS Citrus Research and Education Center
700 Experiment Station Road
Lake Alfred, FL 33850

Sponsored by:
UF/IFAS Citrus Research and Education Center
UF/IFAS Food Science and Human Nutrition Department

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Produce Safety
ALLIANCE

ABOUT THE PROGRAM

Who Should Attend

Fruit and vegetable growers and others interested in learning about produce safety, the Food Safety Modernization Act (FSMA) Produce Safety Rule, Good Agricultural Practices (GAPs), and co-management of natural resources and food safety. The PSA Grower Training Course is one way to satisfy the FSMA Produce Safety Rule requirement.

What to Expect

The trainers will spend approximately seven hours of instruction time covering content contained in these seven modules:

- Introduction to Produce Safety
- Worker Health, Hygiene, and Training
- Soil Amendments
- Wildlife, Domesticated Animals, and Land Use
- Agricultural Water (Part I: Production Water; Part II: Postharvest Water)
- Postharvest Handling and Sanitation
- How to Develop a Farm Food Safety Plan

In addition to learning about produce safety best practices, key parts of the FSMA Produce Safety Rule requirements are outlined within each module. There will be time for questions and discussion, so participants should come prepared to share their experiences and produce safety questions.

ABOUT THE PROGRAM (CONT'D)

Benefits of Attending

The course will provide a foundation of Good Agricultural Practices (GAPs) and co-management information, FSMA Produce Safety Rule requirements, and details on how to develop a farm food safety plan.

After attending the entire course, participants will be eligible to receive a certificate from the Association of Food and Drug Officials (AFDO) that verifies they have completed the training course.

PSA TRAINING AGENDA

- 8:30 Registration and Refreshments
9:00 Welcome and Introductions
9:15 Module 1: Introduction to Produce Safety
10:00 Module 2: Worker Health, Hygiene, and Training
11:00 **Break**
11:15 Module 3: Soil Amendments
12:00 Module 4: Wildlife, Domesticated Animals, and Land Use
12:45 **Lunch**
1:30 Module 5: Agricultural Water
Part 1: Production Water
2:15 Part 2: Postharvest Water
3:15 **Break**
3:30 Module 6: Postharvest Handling and Sanitation
4:30 Module 7: How to Develop a Farm Food Safety Plan
5:00 Final Questions and Evaluations

LEAD INSTRUCTORS

Travis Chapin, UF/IFAS CREC
Michelle Danyluk, UF/IFAS CREC
Jill Dunlop, FFVA
Renée Goodrich Schneider, UF/IFAS FSHN
Keith Schneider, UF/IFAS FSHN

LOCATION

Lake Alfred, FL is accessible from either the Orlando International Airport or the Tampa International Airport. You can access a map and more information about the UF/IFAS Citrus Research and Education Center at <http://crec.ifas.ufl.edu/>.

REGISTRATION

The fee for the training is \$95 for industry participants. A reduced fee of \$80 is available for government/academic employees that make prior arrangements. For attendees who are members of FFVA, a discounted rate of \$80 is available. (Not sure if you're a member? Contact Sonia Tighe at 321-214-5245 or sonia.tighe@ffva.com)

Registration is limited.

Registration fee includes the training materials, lunch, refreshments, and a Certificate of Course Attendance issued by AFDO.

Participation for the entire training is required for the certificate.

FARM LABOR SUPERVISOR TRAINING SCHEDULE FOR FALL, 2017

DAY 1		DAY 2	
DAY 1—TIME	Classes	DAY 2—TIME	Classes
8:00 am - 8:30 am	Registration	8:00 am - 8:30 am	Registration
8:30 am - 10:15 am	Farm Labor Contractor Basics & Navigating H-2A	8:30 am - 11:30 am	Healthy Farm Employees -Controlling Hypertension -Managing Diabetes -Managing Stress -Healthy & Safe Physical Motion
10:30 am - 12:15 pm	Wage/Hour Regulations & Managing H-2A Workers	11:30 am - 12:15 pm	Lunch
12:15 pm—1:00 pm	Lunch	12:15 pm—1:30 pm	Heat Stress Prevention
1:00 pm—2:30 pm	EEOC Compliance—Harassment and Discrimination	1:45 pm - 3:30 pm	Hand Labor Equipment Safety
2:45 pm - 4:30 pm	Management Communications		

Oct. 10 -11, 2017
SEBRING

UF/IFAS Highlands County Extension Office
4509 George Blvd.
Sebring, FL 33875
Ph: 863-402-6540
Register:
<https://fls2017sebring.eventbrite.com>

Oct. 17 -18, 2017
WIMAUMA

UF/IFAS Gulf Coast Research & Education Center
14625 CR 672
Wimauma, FL 33598
Ph: 813-634-0000
Register:
<https://fls2017wimauma.eventbrite.com>

Nov. 7 - 8, 2017
IMMOKALEE

UF/IFAS SW Florida Research & Education Center
2685 State Road 29 N
Immokalee, FL 34142
Ph: 239-658-3400
Register:
<https://fls2017immokalee.eventbrite.com>

Nov. 14 -15, 2017
ARCADIA

Turner Agri-Civic Center Exhibit Hall
2250 NE Roan St.
Arcadia, FL 34266
Ph: 863-993-4846
Register:
<https://fls2017arcadia.eventbrite.com>

Who should take these classes? Labor Supervisors, Contractors, Crew Leaders, Foremen, Bus & Van Drivers, Human Resources, Payroll, Compliance, Labor Managers, and Farm Managers.

Language: English or Spanish

Class information: A Certificate of Farm Labor Management is earned by attendees who pass tests in all classes.

FEE: \$50 per class, \$350 for two full days

Minimum Class Size: 10 participants

To register visit: <http://swfrec.ifas.ufl.edu/programs/economics/fls> or go directly to the Eventbrite page shown for each location.

For More Information, contact: Barbara Hyman (239) 658-3461 (hymanb@ufl.edu) or Carlene Thissen (239) 658-3449 (Carlene@ufl.edu)

Compost Use Survey

Please fill out and circle, underline or bold

Your name: _____

Your company and/or grove name: _____

Your county: _____

How much total citrus acreage you have or manage? _____

Do you use compost in your citrus operation? Yes No

If yes, on young trees (4 years or younger), mature trees (older than 4 years) or both?

If yes, on how many acres of young trees? _____ and how many acres of mature trees? _____

How many tons/acre are you applying for young trees? _____
and for mature trees? _____

Application timing: (spring, summer, fall, winter)

Are you seeing any benefit of using compost? Yes No

Please e-mail your completed survey back to: Dr. Mongi Zekri at maz@ufl.edu and thank you for your input.