

# Citrus Notes



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UF/IFAS Citrus  
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for  
Polk &  
Hillsborough  
Counties

## IMPORTANT DATES

**NOVEMBER 2, 2017**

**ANNUAL CITRUS  
EMPLOYEE SAFETY  
TRAINING & TRACTOR  
RODEO**  
Bartow

**NOVEMBER 6 - 7, 2017**

**FRUIT CROPS  
MANAGEMENT SHORT  
COURSE**  
Lake Alfred

**DECEMBER 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](mailto:wcoswalt@ufl.edu)

### HILLSBOROUGH COUNTY EXTENSION SERVICE

5339 County Road 579  
Seffner, FL 33584  
(813) 744-5519  
Ext. 54131

## 2017 Annual Citrus Safety Training & Tractor Rodeo



Attached to the end of the newsletter is additional information and the

registration form for this year's Citrus Employee Safety Training and Tractor Rodeo. **Preregistration needs to be completed by Friday, October 27, 2017.** The cost of the training is \$15/person and this includes lunch. Program begins at 7:30 a.m. with registration. If you have any questions, you can call Gail Crawford at 863-519-1042 or email her at: [dorothy@c@ufl.edu](mailto:dorothy@c@ufl.edu).

## Fruit Crops Management Short Course

The Fruit Crop Management Short Course will shed light on important crop management related topics such as flowering, dormancy, irrigation, nutrition, fruit set and more. Speakers are experts from Georgia, California, South Carolina and Florida. This will be a great time of gaining knowledge on the management of growing non-traditional crops in Florida and meeting fruit specialists from around the United States. Program and registration information are available in the attached flyer.

## 2017-18 Winter Weather Watch

Attached to the end of the newsletter is information on this year's

Winter Weather Watch. One of the flyers explains the program and the forecast schedule. The second is the registration form. The program begins on November 15, 2017, and runs through March 15, 2018.

## UF/IFAS Citrus Research & Education Center 100<sup>th</sup> Anniversary

The UF/IFAS Citrus Research and Education Center will be holding their 100<sup>th</sup> year anniversary celebration on Wednesday, November 29, 2017. I have included additional information, along with RSVP instructions. The program is free, but preregistration is required. The event will be held at the Ben Hill Griffin Jr. Hall, located at 700 Experiment Station Rd., Lake Alfred, FL.

## December OJ Break

The next OJ Break is scheduled for Tuesday, December 12, 2017. Program information and additional details will be coming in the November issue of Citrus Notes. It will be held in Bartow at the Stuart Conference Center, 1710 US Hwy 17 S. in Bartow.



*The  
Foundation  
for the Gator Nation  
An Equal Opportunity Institution*





## USDA HURRICANE RECOVERY WORKSHOP

The U. S. Department of Agriculture (USDA) Service Center in Polk County is hosting a disaster assistance and hurricane recovery workshop Oct. 26, 4 p.m. at the Lake Alfred Citrus Research and Education Center, 700 Experiment Station Rd, Lake Alfred, Fla. 33850. The event is free and open to the public.

Representatives from USDA's [Natural Resources Conservation Service](#) (NRCS) and [Farm Service Agency](#) (FSA) will present information on the various disaster assistance programs and resources available for farmers, ranchers and rural communities. Workshop topics include emergency assistance for livestock & crop-related expenses and losses; financial assistance programs to help with farm and farmland damage; deadlines for applying for disaster assistance programs and programs to help with restoration and rehabilitation of farm and ranch land.

For more information, contact [Marcinda Kester](#), 863-533-2051 ext. 2. Persons with disabilities who require accommodations to attend or participate in this meeting, should contact Marcinda Kester, 863-533-2051 ext. 2, or Federal Relay Service at 1-800-877-8339 by Oct. 20.

### Gov. Scott Announces Citrus Emergency Loan Program to Aid Citrus Growers

Governor Rick Scott activated a \$25 million Florida Citrus Emergency Loan Program to support citrus growers impacted by Hurricane Irma. The bridge loan program, managed by the Florida Department of Economic Opportunity (DEO), will provide interest-free loans to citrus growers that experienced physical or economic damage during the storm. The application period will begin next week and be open through November 30, 2017.

Governor Scott said, "Hurricane Irma was a massive storm that impacted communities across our state, causing hundreds of millions of dollars of losses for the Florida citrus industry. I am committed to working with our state and federal partners to help Florida's citrus industry and the nearly 76,000 jobs it supports. The Florida Citrus Emergency Loan Program will be a valuable resource for affected business owners. I've also spoken to Agriculture Commissioner Adam Putnam and United States Secretary of Agriculture Sonny Perdue and we'll continue to partner to find more ways to help this vital industry recover."

Florida Commissioner of Agriculture Adam Putnam said, "The path Hurricane Irma took through Florida could not have been more lethal to Florida agriculture –

especially our citrus industry. We're all committed to getting growers the help they need, as quickly as possible, to be able to rebuild. I thank Governor Scott for his leadership and for making financial assistance available for Florida's growers devastated by Hurricane Irma."

DEO will administer the Florida Citrus Emergency Loan Program in partnership with the Florida SBDC Network to provide cash flow to businesses damaged by a disaster. The interest-free loans will help bridge the gap between the time damage is incurred and when a business secures other financial resources, including payment of crop insurance claims or federal disaster recovery appropriations. Up to \$25 million has been allocated for the program.

DEO Executive Director Cissy Proctor said, "Florida's iconic citrus industry needs our support to recover. The \$25 Million Citrus Emergency Loan Program will help ensure the industry can rebound so businesses and their employees can get back to work quickly."

Mike Myhre, CEO of the Florida SBDC Network, said, "Florida's businesses, including citrus producers, are important to Florida's economy. This program provides much-needed capital that our citrus growers need to recover from Hurricane Irma."

Shannon Shepp, Executive Director of the Florida Department of Citrus, said, "Governor Scott has shown great interest in this hallmark and iconic industry in the State of Florida. There is no question of its economic impact on our state and its history and legacy. The Florida Citrus Industry is absolutely appreciative of this effort to help get growers back in the growing cycle."

Citrus growers who maintain a citrus grove in production in any of Florida's 67 counties affected by Hurricane Irma can apply for loans up to \$150,000. These interest-free loans are granted in terms of up to one year. To be eligible, a grower must have been established prior to September 4, 2017, and demonstrate economic injury or physical damage as a result of Hurricane Irma.

To complete an application by the Nov. 30, 2017, deadline, or for more information on the program, visit [www.floridadisasterloan.org](http://www.floridadisasterloan.org). For questions regarding the \$25 Million Citrus Emergency Loan Program, contact the Florida Small Business Development Center Network at 850-898-3489 or email [Disaster@FloridaSBDC.org](mailto:Disaster@FloridaSBDC.org). The phone line will be answered during regular business hours; all voice mails and emails will be responded to within 24 hours.

# Q&A

## October OJ Break

The following information was derived from notes taken from the presentation Dr. Lukasz Stelinski, UF/IFAS CREC, made earlier this month.

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### ***Do Asian citrus psyllid live off plant hosts other than citrus?***

Dr. Stelinski made mention in an unrelated (to citrus) research project done in Kissimmee State Park forest, he was able to trap psyllids in numbers similar to those found in managed citrus groves. It appears the psyllids can nourish themselves on plants not on the citrus family. Although, he did note that psyllid reproduction can only occur on new citrus flush.

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### ***How far can psyllids travel?***

Earlier studies by Dr. Stelinski with protein marked psyllids demonstrated that psyllids could easily travel distances of at least a mile driven in search of new citrus flush. In the lab, psyllids have managed 3 hours of continuous flight covering a calculated distance of 2.5 miles before needing to refuel by feeding.

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### ***What conditions are psyllids most likely to fly off faster and cover longer distances?***

It has been demonstrated that psyllids that have not acquired the HLB pathogen tend to stay closer to their original location. Psyllids that have acquired the HLB pathogen tend to leave their original location quicker and fly further distances.

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### ***What affect does reflective mulch have on psyllids?***

Where reflective mulch has been used, psyllid numbers have been drastically reduced, but not eliminated. The reflective mulch confuses the psyllid since they use the sun for navigation. This reflective mulch works well and has a place in the management of psyllids specifically with new plantings.

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### ***How about the affect of trees sprayed with Kaolin clay?***

Kaolin clay also reflects light causing the psyllid to be confused and acts as a physical barrier to psyllid feeding. The physical barrier created by the clay results in the psyllid having difficulty in feeding on the leaf.

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### ***What do we know about psyllids and windbreaks?***

Windbreaks can have a significant impact on the population of psyllids in the border rows of the grove. In addition, 85 to 90% of all psyllids found in a grove occur in the first six rows border rows. Windbreaks create shade and a physical barrier to psyllid. Psyllids fly at elevations just above the tree tops so installation of a barrier just above tree top level should reduce psyllid populations on the border rows.

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### ***With recent news on psyllid resistance to the neonicotinoids (neonic) insecticides, what are some suggestions to protect newly planted citrus trees?***

In young, solid-set groves, using of kaolin clay during the dry times of the year, incorporating reflective mulch, using windbreak hedgerows or a physical barriers would be a start. Border sprays would also be effective, since 85 to 90% of psyllid populations reside in the first six row of the grove. If you are having control issues or failures using neonics insecticides then don't use them in soil applications. Consider a implementing a foliar spray program as outlined below to manage any resistance.

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### ***How can we manage the current neonic resistance?***

Research studies have shown that psyllid resistance to any of the currently recommended psyllid insecticides can occur in as little as one growing season or 5 to 6 psyllid generations. Implementing a psyllid control program that will incorporate the use of at least 5 different insecticide modes of action in a spray rotation will drastically reduce psyllid resistance. However, subsequent build up of resistance in the psyllid will occur much more quickly in the future.

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### ***What are thought to be some of the contributing factors in neonic resistance?***

A couple of thoughts were brought up related to the apparent toxicity of the neonics to psyllids. Soil application of neonics typically required higher rates for psyllid control than when applied in foliar applications. There is also some thought that the initial rates taken up by the citrus tree were at lethal doses, but as time went on the residual amount was sub-lethal possibly leading to decreased psyllid sensitivity and less control.



Save the Date

UF/IFAS  
UNIVERSITY OF FLORIDA

100 Years  
1917-2017

UF/IFAS Citrus Research and Education Center

**100<sup>th</sup> Anniversary Celebration**

1917 - 2017

Wednesday, November 29, 2017 | 9:00AM - 3:30PM | Ben Hill Griffin, Jr. Citrus Hall

Please join us to celebrate the 100<sup>th</sup> anniversary of the UF/IFAS Citrus Research and Education Center. The morning program will feature speakers from the University of Florida and UF/IFAS faculty. Guests can learn about the latest research on fighting citrus greening, tour experimental groves and meet with research faculty during afternoon tours and site visits.

The event is free but pre registration is required.  
To RSVP <https://crec100years.eventbrite.com>

Parking available

### Syngenta Initiates Summer Intern Recruiting

Syngenta has kicked off their recruiting efforts for the 2018 Florida Intern Program. As you are aware, Syngenta interns play a primary role in supporting key brands in the Florida citrus industry. Their field activities provide the key link between Syngenta and growers, while helping ensure optimal product performance.

The summer internship of 2017 was a success in supporting the Syngenta Citrus Portfolio by providing scouting, root mass sampling and phytophthora analysis. Expanded services across more acres were an important key to this summer's success. These services have increased in their value to growers over time. Syngenta's 2018 marketing plans are underway and include further market growth of their brands. The Syngenta internship program is the conduit for providing these important services and will be a fundamental part of their overall marketing strategy.

Below are a list of intern qualifications; these are not meant to be exclusive, but rather to help narrow our search.

- Seeking future employment in agriculture
- Basic familiarity with production agriculture
- Basic familiarity with insect, disease, and weed control
- Basic computer skills
- Willingness to work outdoors, experience preferred
- Self-motivated, detail oriented, honesty, and personable
- Ability to relocate to or originally from one of the following counties; Polk, Highlands, Hardee, Desoto, Hendry, Collier, Lee, Okeechobee, Martin, Osceola, St. Lucie, or Indian River
- Sophomore or Junior level (Seniors will be considered)

These internships represent an outstanding opportunity for the right candidate. In addition to the technical and professional skills gained from Syngenta Crop Protection, students will have an excellent opportunity to demonstrate their abilities to some of the most influential organizations in the

Florida agricultural industry. Students will be provided with comprehensive training, skilled mentoring, and will be part of a respected professional team executing a multi-million dollar sales initiative and marketing strategy.

Syngenta is currently recruiting for up to six intern positions with an approximate start date of May 14, 2018, and an approximate end date of August 10, 2018.

The Florida internship locations are designated as follows:

- 2 east coast scout intern - Indian River, St. Lucie, or Martin Counties
- 1 southwest scout intern- Lee, Hendry, or Collier Counties
- 1 west central scout intern- Highlands, Hardee or Desoto Counties
- 2 central scout intern- Osceola, Polk or Highlands Counties

Please have all interested candidates email their resumes directly to [zach.jangford@syngenta.com](mailto:zach.jangford@syngenta.com). The Syngenta sales team will be interviewing interested candidates now through December 2017, at which time they hope to have all candidate selections complete.



# CITRUS SAFETY TRAINING

# AND TRACTOR RODEO

**NOV. 2,  
2017**

### TOPICS WILL INCLUDE

- Electrical Safety, Road Safety & First Aid
- Tractor Safety
- WPS Handler Training
- Basic Pesticide Safety Training,
- Decontamination Safety



## ANNUAL CITRUS EMPLOYEE SAFETY TRAINING

UF/IFAS Extension Polk County invites you and your employees to attend the 2017 Polk County Citrus Safety Training Program. This program is designed to help growers with regulatory compliance by providing annual safety training for their employees. Topics include proper safety measures in the grove and on the highway.

**Pre-registration is required. Completed registration forms are due in the Extension Office no later than Friday, October 27, 2017.**

**ENGLISH AND SPANISH  
SESSIONS AVAILABLE!**

## TRACTOR RODEO COMPETITIONS

The **Sprayer Operator Competition** will test precession, safety awareness, and attention to detail required for safe pesticide applications using a tractor with a sprayer.

The **Herbicide Operator Competition** will test for the above mentioned skills on a tractor with a boom sprayer.

In the **Fertilizer Spread-Off**, operators will simulate fertilizer applications to resets scattered randomly through a grove. The operator will be provided with an all-terrain utility vehicle (ATV), bucket of simulated fertilizer, and cups to apply the fertilizer. Judging will be based on precision of the fertilizer application, time, and vehicle operation skills.

For more information about any competition, contact Chris Oswalt at **(863) 519-1052**.

**UF/IFAS Extension Polk County Agricultural Center  
Stuart Conference Center  
1710 Highway 17-98 South, Bartow, FL 33830**





# FRUIT CROP MANAGEMENT

## Short Course

NOV. 6-7,  
2017

The Fruit Crop Management Short Course will shed light on important crop management related topics such as flowering, dormancy, irrigation, nutrition, fruit set, and more. Speakers are experts from Georgia, California, South Carolina, and Florida. This will be a great time of gaining knowledge on management of growing non-traditional crops in Florida and meeting specialists from around the United States.

### Location

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

<http://www.crec.ifas.ufl.edu/about/map/map.shtml>

### Schedule

See attached document

### Conference Hotel

Mention University of Florida, Citrus Research and Education Center

#### Best Western Inn and Suites

1008 US Highway 92 West, Auburndale, FL  
863-551-3400  
\$95 per night

**Registration** \*Early registration extended until October 30, 2017

<https://fruitcropmanagementshortcourse.eventbrite.com>

Registration by October 30th \$75.00

Registration after October 30th \$100.00

If you would like to pay by check, please contact Jamie Burrow

**UF** IFAS Extension  
UNIVERSITY OF FLORIDA



For more information, please contact Jamie Burrow, 863-956-8648, [jdyates@ufl.edu](mailto:jdyates@ufl.edu)

# FRUIT CROP MANAGEMENT SHORT COURSE AGENDA

**Monday,  
November 6, 2017**

**Plant Biology  
and Horticultural  
Management Practices**

8:15 a.m.	Registration and light refreshments
8.45 a.m.	Welcome
9:00 a.m.	<b>Tree Growth, Development, and Pruning</b> <i>Gregory Reighard, Clemson University</i>
9.45 a.m.	<b>Dormancy, Chilling, and Flowering</b> <i>Dario Chavez, University of Georgia</i>
10:30 a.m.	Break
10.50 a.m.	<b>Thinning</b> <i>Gregory Reighard, Clemson University</i>
11.35 a.m.	<b>Fruit Set, Development, and Alternate Bearing</b> <i>Anish Malladi, University of Georgia</i>
12:20 p.m.	Lunch
1:30 p.m.	<b>Fertilization and Irrigation</b> <i>Juan Carlos Melgar, Clemson University</i>
2:15 p.m.	<b>Plant Growth Regulators in Fruit Crops</b> <i>Craig Campbell, Valent Biosciences</i>
3:00 p.m.	<b>Harvesting, Postharvest Quality, and Technology</b> <i>Mary Lu Arpaia, University of California, Riverside</i>
3:45 pm	Depart

**Tuesday,  
November 7, 2017**

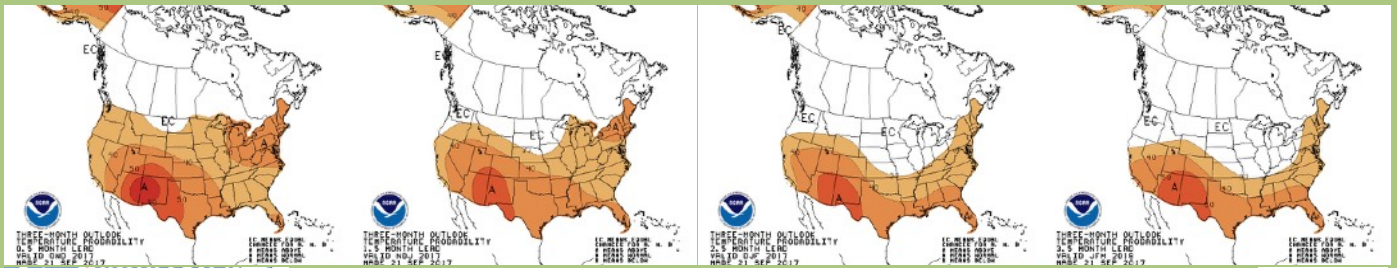
**Fruit Crops in Florida  
and General Production  
Practices**

8:00 a.m.	Light Refreshments
8:30 a.m.	<b>Peach</b> <i>Tripti Vashisth, University of Florida</i>
9:00 a.m.	<b>Brambles</b> <i>Christopher Vincent, University of Florida</i>
9:30 a.m.	Break
10:00 a.m.	<b>Pomegranate and Hops</b> <i>Shinsuke Agehara, University of Florida</i>
10:30 a.m.	<b>Tropical and Subtropical Fruits</b> (lychee, papaya, avocado) <i>Jonathan Crane, University of Florida</i>
11:00 a.m.	<b>Blueberry</b> <i>Jeffrey Williamson, University of Florida</i>
11:30 a.m.	<b>General Economics</b> <i>Ariel Singerman, University of Florida</i>
12:00 p.m.	Lunch

For the past 100 years, the University of Florida (UF) Citrus Research and Education Center (CREC) has been honored to assist the citrus industry in meeting its developmental needs through its Research, Extension, and Teaching programs. CREC is the oldest and largest off-campus experiment station in UF's Institute of Food and Agricultural Sciences (UF/IFAS) and is unique among research centers in that it focuses entirely on one commodity, citrus. CREC discovers and delivers innovative solutions that empower citrus and other agricultural interests to conduct responsible and profitable business. CREC fosters scientific excellence and efficient use of resources.



# Winter Weather Watch



Polk County Cooperative Extension Service  
 Phone: 863-519-1052  
 Email: [wcoswalt@ufl.edu](mailto:wcoswalt@ufl.edu)



## UF/IFAS Polk County Cooperative Extension Service

The 2017 - 18 version of the Winter Weather Watch will begin on November 15, 2017. Time is short so send in your subscription form to receive timely agricultural winter weather forecasts and information.



The 2017-18 edition of the Polk County Winter Weather Watch program will begin on November 15, 2017. The program provides growers with winter weather forecast

information specifically geared toward agricultural interests in West Central and Southwest Florida. The program provides subscribers with an unlisted phone number for (24 hour/7 days a week) access to daily weather forecasts. The zone forecasts are from the National Weather Service (NWS) and are listed on the automated phone menu, so you can select the products you are interested in. Forecasts include the zone forecasts, 6-10 and 8-14 day outlook forecasts. In addition to the forecasts we have special weather narratives provided as needed in the event of freezing temperatures and a weekly outlook provided by our own meteorologist Fred Crosby. When freezing temperatures are predicted in our area additional updates will include the afternoon zone forecast and the modified sunset brunt minimum temperature equation. If this is not enough we will also provide the weekly citrus leaf freezing

temperatures and the 2017-18 Winter Weather Watch manual. You will also have access to weather data from seven Polk County Citrus Extension Weather Stations.

Subscriptions for the Winter Weather Watch program are only \$100.00 for the entire 4 month period (Nov 15 to Mar 15). The cost is about the same as one tank of gas for your pickup truck. You can subscribe to the Winter Weather Watch by completing and returning the enclosed "subscription form".

## Forecast Schedule



The following schedule lists the products available from the Winter Weather Watch. The times and specific days of week and the forecasted minimum temperature dictate

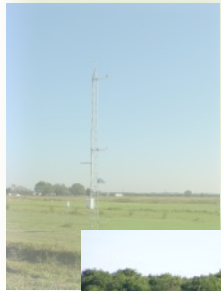
when these forecasts products will be updated. Our Winter Weather Watch area includes the following areas by county: Pasco, Hillsborough, Polk, Highlands, Hardee, Manatee, Sarasota, DeSoto, Charlotte, Lee, Glades, Hendry and Inland Collier.

# FORECAST SCHEDULE

Forecast Product	Above 32 ° F	32°-29°F	Below 28° F
<i>Zone</i>	<i>Daily 8:30 a.m.</i>	<i>Daily 8:30 a.m.</i>	<i>Daily 8:30 a.m.</i>
<i>6-10 &amp; 8-14 Day Outlooks</i>	<i>Mon/Wed/Fri 8:30 a.m.</i>	<i>Mon/Wed/Fri 8:30 a.m.</i>	<i>Mon/Wed/Fri 8:30 a.m.</i>
<i>Weekly Outlook</i>	<i>Friday 5:00 p.m.</i>	<i>Friday 5:00 p.m.</i>	<i>Friday 5:00 p.m.</i>
<i>Leaf Freezing Temperatures</i>	<i>Friday 5:00 p.m.</i>	<i>Friday 5:00 p.m.</i>	<i>Friday 5:00 p.m.</i>
<i>Special Weather Narratives</i>	<i>As Needed</i>	<i>Daily 4:00 p.m.</i>	<i>Daily 4:00 p.m.</i>
<i>Afternoon Zone</i>	<i>None</i>	<i>Daily 5:30 p.m.</i>	<i>Daily 5:30 p.m.</i>
<i>Sunset/Brunt</i>	<i>As Needed</i>	<i>As Needed</i>	<i>Daily 7:00 p.m.</i>

# 2017 - 2018 WINTER WEATHER WATCH PROGRAM

NOVEMBER 15, 2017 TO MARCH 15, 2018  
REGISTRATION FEE: \$100.00



It's once again time to register for the upcoming 2017 - 2018 Winter Weather Watch Program. Upon receiving your \$100.00 registration payment, you will be sent an unlisted telephone

number with which you can retrieve the latest **Ag Forecasts**, 24 hours a day. **Please do not give this number to others.** The *Winter Weather Watch Program* is funded by the registration fees to pay for telephone equipment rentals, long distance calls, repairs and our meteorologist.



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## 2017 - 2018 Winter Weather Watch Program

NAME: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_

COMPANY: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

**REGISTRATION FEE \$100.00**

PLEASE RETURN THIS REGISTRATION FORM AND YOUR CHECK PAYABLE TO:

**POLK COUNTY EXTENSION CITRUS ADVISORY COMMITTEE  
PO BOX 9005, DRAWER HS03  
BARTOW, FL 33831-9005**



## 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://psa111317.eventbrite.com>

**PSA Training – UF/IFAS Gulf Coast Res. and Ed. Center – November 13, 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 November 8<sup>th</sup>, 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](mailto: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](mailto:sarahmccoy@ufl.edu) or 863-956-8632

## PLANNED PSA TRAININGS

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>

November 8 – West Palm Beach, FL  
<http://psa110817.eventbrite.com>

November 13 – Wimauma, FL  
<http://psa111317.eventbrite.com>

November 14 – Tavares, FL  
<http://psa111417.eventbrite.com>

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PSA curriculum material provided by Florida Department of Agriculture and Consumer Services (FAIN #U18FD005909)

## Produce Safety Alliance Grower Training



November 13, 2017

UF/IFAS Gulf Coast Research and Education Center  
14625 CR 672  
Wimauma, FL 33598

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

**UF | IFAS**  
UNIVERSITY of FLORIDA



**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	<b>Break</b>
11:15	Module 3: Soil Amendments
12:00	Module 4: Wildlife, Domesticated Animals, and Land Use
12:45	<b>Lunch</b>
1:30	Module 5: Agricultural Water Part 1: Production Water
2:15	Part 2: Postharvest Water
3:15	<b>Break</b>
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

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### 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

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### LOCATION

Wimauma, FL is accessible from the Tampa International Airport. You can access a map and more information about the UF/IFAS Gulf Coast Research and Education Center at <http://gcrec.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](mailto: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.