

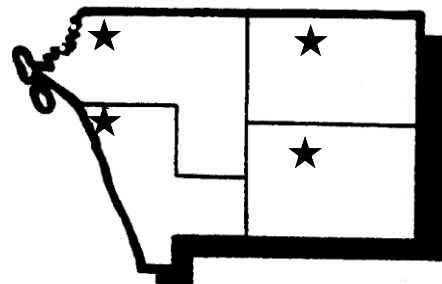
## West Central Citrus Letter

DeSoto Extension Service  
2150 NE Roan Street  
Arcadia FL 34266  
863/993-4846

Hardee Extension Service  
507 Civic Center Drive  
Wauchula FL 33873  
863/773-2164

Manatee Extension Service  
1303 17th Street West  
Palmetto FL 34221  
941/722-4524

Sarasota Extension Service  
6700 Clark Road  
Sarasota FL 34241  
941/861-9900



**December 20, 2018**

### **Citrus Insect Management Workshop, January 8, 2019, CREC, Lake Alfred**

The UF/IFAS citrus entomology team has developed a program to help growers prepare to manage Asian citrus psyllid in the face of resistance and to develop management for pests which may become more abundant with changes to nutritional and insecticidal inputs. The program will begin at 9:30 AM with registration and conclude around 3:00 PM.

The workshop will be a combination of presentations by researchers and hands-on opportunities to assist growers in identifying other citrus pests, their associated damage, and how to manage them.

A registration fee of \$25 is required prior to January 4<sup>th</sup> and increases to \$30 after January 4<sup>th</sup>. You can register online via Eventbrite at <https://citrusinsectworkshop.eventbrite.com>. For more information about the program, please see the attached flyer.

### **Private and Core Restricted Use Pesticide License Review and Testing, January 16, 2019, Wauchula**

A three-hour pesticide license review and testing class is being conducted on Wednesday, January 16<sup>th</sup> at the Hardee County Extension Service Office at 507 Civic Center Drive in Wauchula. The class will review the materials contained in the test to obtain a Private Applicator pesticide applicator license. The class will begin at 9:00 A.M. and conclude at noon with the test at 1:00 P.M.

Three CEUs (2 Core and 1 Private) are offered to individuals that have a current pesticide license and will be renewing using CEUs. A registration fee of \$55.00 per person is charged to cover the study manuals (Core and Private) and refreshments. To attend the class for only CEUs, the registration fee is \$5.00. If you wish to attend the class to obtain CEUs or to take the test, please call the Hardee County Extension Service Office at 863-773-2164 to register. Pre-registration is requested prior to January 10<sup>th</sup>.

### **Florida Citrus Show, January 23-24, 2019, Ft. Pierce**

The 2019 Florida Citrus Show will be held at the Havert L. Fenn Center in Ft. Pierce on January 23<sup>rd</sup> and 24<sup>th</sup>. To view the full agenda and to pre-register, please visit their website, <http://www.citrusshow.com/>. Pre-registration is requested prior to attending to allow the registration process to go more smoothly upon arrival at the show.

### **Worker Protection Standards – Train the Trainer, January 29, 2019, Wauchula**

A training session will be conducted from 1:00 PM to 5:00 PM at the Hardee County Extension Service Office, Wauchula, on Tuesday, January 29<sup>th</sup>. The session will cover the worker protection standards (WPS) information required under the rule to train employees as pesticide handlers or workers.

If you wish to attend the class to obtain a WPS Training Certificate or for four CEUs, please call the

Hardee County Extension Service Office at 863-773-2164 to register. Pre-registration is requested prior to January 23<sup>rd</sup>. Registration fee is \$10 per person.

If you were trained as a trainer under the WPS rule prior to 2017, you need to be trained under the new rule that was implemented in late 2016 prior to conducting either Handler or Worker training sessions.

### **Citrus Grower Roundtable Meeting, January 30, 2019, Arcadia**

The Peace River Valley Citrus Growers Association and UF/IFAS Extension will be hosting a citrus grower roundtable discussion on Wednesday, January 30<sup>th</sup> at the DeSoto County Extension Service Office. The program will begin at 8:00 AM. The purpose of the meeting is to allow growers to discuss their HLB and other pest management programs as well as observations for the 2018-19 crop season.

Donuts and juice will be provided. Please come and share what you and your fellow growers are doing and what seems to be working in your grove.

### **Flower Bud Advisory**

Dr. Gene Albrigo has posted his latest flower bud advisory for the 2019 citrus bloom season. The advisory can be found at:

[https://crec.ifas.ufl.edu/extension/flowerbud/2019/11\\_27\\_18.shtml](https://crec.ifas.ufl.edu/extension/flowerbud/2019/11_27_18.shtml)

This advisory will be updated throughout the winter season and can help you begin the planning process for the 2019 pest management season.

### **Postbloom Fruit Drop**

While we may not want to think about postbloom fruit drop (PFD) for the spring bloom in 2019, it would be good to review your survey methods during the next few months to begin to look for any scattered off-season bloom that may be occurring in your groves.

The reason to be concerned is that during this winter season we have been getting cool fronts that have been bringing rain showers every week. These rains may allow any spores that remain on persistent calyxes (buttons) from the previous year to be splash-dispersed onto off-season flowers that will allow the fungus to develop and be a problem when we get our main bloom in a few months.

For more information on PFD, please see the Florida Citrus Production Guide, or you may go back and review the presentations from the PFD workshop that was held in Arcadia in February 2017 at: <http://citrusagents.ifas.ufl.edu/pfd/>.

### **SuperSour Rootstock Release**

Dr. Kim Bowman with the USDA ARS in Ft. Pierce has just released three new rootstocks (US SuperSour 1, 2, & 3). Attached with this newsletter is a fact sheet highlighting each of the rootstocks and yield data that has been collected.

Plant material is currently available for all three selections and have no restrictions on the use of these new rootstocks.

### **Dates to Remember**

- |                 |   |
|-----------------|---|
| Jan. 8          | Citrus Insect Management Workshop, CREC, Lake Alfred                    |
| Jan. 16         | Restricted Use Pesticide License and Testing for Ag Tree Crop, Wauchula |
| Jan. 23-24      | Florida Citrus Show, Ft. Pierce   |
| Jan. 29         | Worker Protection Standards, Train-the-Trainer, Wauchula                |
| Jan. 30         | Citrus Grower Roundtable, Arcadia                                       |
| Feb. 12, 19, 26 | Citrus Production School, Arcadia                                       |
| March 5         | Safety Morning, Arcadia   |

Wishing you a wonderful holiday and a prosperous and enjoyable new year.

Sincerely,

Stephen H. Futch  
Extension Agent, Multi-County

Office: 863-956-8644

Email: [shf@ufl.edu](mailto:shf@ufl.edu)

Enclosure: Citrus Insect Management Workshop  
SuperSour Rootstock Fact Sheet

# Citrus Insect Management Workshop

UF | IFAS Extension  
UNIVERSITY of FLORIDA

## Location

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

## Registration

<https://citrusinsectworkshop.eventbrite.com>

Registration fee \$25.00 by Friday, January 4<sup>th</sup>

Late Registration fee \$30.00 after January 4<sup>th</sup>

Limited to 50 participants

**Pest management in citrus is changing as we learn more about citrus greening and its vector, the Asian citrus psyllid (ACP). Due to insecticide resistance problems with ACP and a recent focus on tree nutrition with often reduced insect management inputs, the UF/IFAS citrus entomology team has developed a program to help growers be prepared to manage ACP in the face of resistance and to develop management for pests which may become more abundant with changes to nutritional and insecticidal inputs. This workshop will be a combination of presentations by researchers and hands-on opportunities to assist growers in identifying other citrus pests, their associated damage, and how to manage them.**

## Continuing Education Units (CEU)

CEUs for restricted use pesticide (RUP) license holders and Certified Crop Advisors will be available.



**JANUARY 8, 2019**

## Agenda

9:30 a.m. Registration

### Seminar Session 1

10:00 a.m. **Welcome** (Steve Futch, UF/IFAS Extension)

10:05 a.m. **Current Citrus Pests: Identification and Seasonality**  
(Dr. Lauren Diepenbrock, UF/IFAS CREC)

10:25 a.m. **Psyllid Management Options and Challenges**  
(Dr. Lukasz Stelinski, UF/IFAS CREC)

10:55 a.m. **Sampling and Thresholds for Management of Phytophagous Mites**  
(Dr. Jawwad Qureshi, UF/IFAS SWFREC)

### Hands-On Session 1

11:15 a.m. **Mite Sampling and Basic Identification** (Dr. Jawwad Qureshi, UF/IFAS SWFREC)

11:35 a.m. **ID Stations part 1: Pest Damage Above Ground and Preserved/Live Specimens**

12:00 p.m. **Lunch**

### Seminar Session 2

1:00 p.m. **Grove Design: Incorporating Wind Breaks** (Dr. Xavier Martini, UF/IFAS NFREC)

1:20 p.m. **Diaprepes Root Weevil IPM: Targeting the Soil-borne Larvae**  
(Dr. Larry Duncan, UF/IFAS CREC)

1:45 p.m. **Pests on the Horizon: Resurgences and Potential Future Concerns**  
(Dr. Lauren Diepenbrock, UF/IFAS CREC)

### Hands-On Session 2

2:05 p.m. **Diaprepes Management: Life Stages, Entomopathogenic Nematode (EPN) Demonstration, and Weed Fabric for Larval Exclusion**  
(Dr. Larry Duncan, UF/IFAS CREC)

2:25 p.m. **ID Stations part 2: Pest Damage Belowground, Preserved Specimens of Potential Pests, and Preserved/Live Specimens of Beneficial Insects**

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

## Three SuperSour Rootstocks Released by USDA in 2018

[Kim.Bowman@ars.usda.gov](mailto:Kim.Bowman@ars.usda.gov)

### US SuperSour 1 (SS1)

- Selection from a cross of pummelo × Cleopatra mandarin.
- Superior performance with sweet orange on the ridge and East coast flatwoods.
- Induction of superior scion yield and good scion fruit quality in presence of HLB.
- Released by USDA on 2 November 2018. Clean plant material available; no restrictions.

### US SuperSour 2 (SS2)

- Selection from a cross of trifoliolate × (Sour orange × ichangensis).
- Superior performance with sweet orange on the ridge.
- Induction of superior scion yield and good scion fruit quality in presence of HLB.
- Released by USDA on 2 November 2018. Clean plant material available; no restrictions.

*Table 1.* Yield of Hamlin on **SS1** and **SS2** in a RCB trial in Lake County. Trees planted in 2011.

Rootstock	Fruit yield per tree (as percent of yield on Sour orange)			
	2015	2016	2017	Cumulative
<b>SuperSour 2</b>	67	292	166	192
<b>SuperSour 1</b>	44	192	200	138
Swingle	44	183	233	125
Sour orange	100	100	100	100
Ridge	100	58	33	71
Cleopatra	67	83	33	71

### US SuperSour 3 (SS3)

- Selection from a cross of Sunki mandarin × [US-802].
- Superior performance with sweet orange on the East coast flatwoods.
- Induction of superior scion yield and good scion fruit quality in presence of HLB.
- Released by USDA on 2 November 2018. Clean plant material available; no restrictions.

*Table 2.* Yield of Valencia on **SS3** and **SS1** in a RCB trial in St Lucie County. Trees planted in 2014.

Rootstock	Fruit yield per tree (as percent of yield on Sour orange)		
	2017	2018	Cumulative
<b>SuperSour 3</b>	415	186	239
<b>SuperSour 1</b>	138	146	141
Sour orange	100	100	100
Swingle	100	100	98
Ridge	108	57	69
Cleopatra	62	68	65