

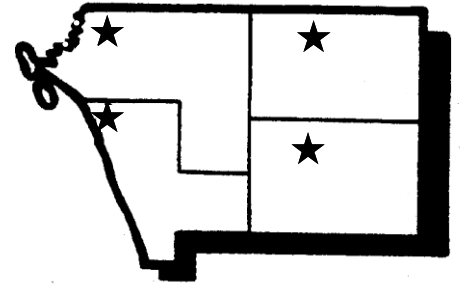
West Central Citrus Letter

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

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

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

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



January 7, 2017

Postbloom Fruit Drop (PFD) and Disease Management Seminar, February 8, Arcadia

The Extension Service will be conducting a PFD and disease management seminar at the Family Service Center, 310 West Whidden Street, in Arcadia on Wednesday, February 8. The program will begin at 8:30 AM with registration and presentations beginning at 9 AM. Registration is limited to the first 125 people to register via mail or by using Eventbrite. For more information on the registration process, please see the enclosed flyer.

Since PFD was a major production issue in the spring of 2016, I felt it was important to reach out to other areas in the world and invite speakers (international and local) to participate in the seminar to share their experiences and methods for controlling PFD.

Program speakers will include: Drs. Geraldo Silva and Franklin Behlau are from FundeCitrus in Araraquara, Sao Paulo, Brazil and Drs. Natalia Peres and Megan Dewdney with the University of Florida.

Topics discussed will include:

- Lessons of PFD control in Brazil and their forecast system
- UF PFD model
- PFD management in Florida
- Tree row volume based sprays for control of citrus diseases and pests

Additional topics will also include control of citrus black spot and optimizing citrus canker management in Sao Paulo.

This meeting is being made possible with the gracious financial support of BASF, Bayer, Chemical Containers, and Syngenta.

Remember the program is limited to the first 125 people to register for the meeting due to room size limitations; therefore, be sure to register as soon as possible.

For more information on the PFD program or to register, please see the enclosed program flyer.

Citrus Production School, February 21, 28 and March 7, Arcadia

The annual Citrus Production School will be held at the Family Service Center on February 21, 28, and March 7.

Topics for this year's program include:

- Genetic engineering in agriculture – your questions answered
- Update on genetic modified trees at Southern Gardens Citrus
- Management of Asian citrus psyllid and citrus leafminer
- Rootstocks, root lifespan, and yield: what do they tell us about managing root health with HLB

- Injection guidelines for acidification of irrigation water; how pH impacts availability of nutrients; which plant nutrients are best applied to the roots or foliage
- Highlighting USDA research on bactericides for the control of citrus greening.

Registration for the 3-evening program is \$20 per person and can be made by mailing the registration form or by using Eventbrite.

For more information on the program or the registration process please see the enclosed program flyer. Pre-registration requested prior to February 15, 2017.

Worker Protection Standards – Train-the-Trainer, January 23, Wauchula

A training session will be conducted from 1:00 PM until 5:00 PM at the Extension Service Office in Wauchula on Monday, January 23. The training session will cover the Worker Protection Standards (WPS) information required under the new rule for training employees as either a pesticide worker or handler.

This training will cover the EPA's revised WPS regulations as published by final rule on November 2, 2015. The 2015 revision requires persons seeking to become trainers or recertified as a trainer of workers and handlers must complete an EPA-approved Train-the-Trainer (TTT) program or hold a valid restricted use pesticide (RUP) license. If you were trained as a trainer under the old rule and do not have a RUP license you will need to become retrained under the new rule before conducting training. The Florida WPS TTT program summarizes basic WPS provisions, Florida Agriculture Worker Safety Act (FAWSA) requirements, training requirements, general training techniques, information on training preparation, and briefly discusses some WPS enforcement hot topics.

To register, please contact the Hardee County Extension Service Office in Wauchula at 863-773-2164. A registration fee of \$10 per person is required to offset program costs and is payable when attending the training session.

Four CEUs for the restricted use pesticide license in the Private or Ag Tree Crop category will be available for those attending the class.

Florida Citrus Show, January 25-26, Fort Pierce

The annual Florida Citrus Show will be held at the Havert L. Fenn Center in Fort Pierce. The show will include both an educational program and trade show.

This year's program will feature a grower panel plus presentations on a wide range of topics, including, but not limited to, psyllid management, use of bactericides, Postbloom Fruit Drop (PFD), best management practices (BMPs), HLB management, crop outlook, water farming opportunities, and much more.

Continuing education units (CEUs) will be offered on both days. Three CEUs in either Ag Tree, Private or Demonstration & Research are offered on the first day (January 25) and 2 in Ag Tree Crop or Private on the second day (January 26) for those that have a valid RUP license.

For more information on the Florida Citrus Show or to register, please visit their website at <http://www.CitrusShow.com>.

Private and Core Restricted Use Pesticide License Review and Testing, January 31, Wauchula

A three-hour pesticide license review and testing class will be held on Tuesday, January 31 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 being given at 1:00 P.M.

Three CEUs (2 Core and 1 Private) will be 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 25.

FLOWER BUD INDUCTION ADVISORY #5 for 2016-2017 winter season -1/3/17

The following is the fifth flower bud advisory for this season and is developed by Dr. Gene Albrigo, Horticulturist Emeritus at the Citrus Research & Education Center, Lake Alfred, FL.

This is a service to our citrus growers posted on the CREC website. The indicated Expert System on intensity and time of bloom can be accessed at the designated Web Site: <http://disc.ifas.ufl.edu/bloom> .

If you are not familiar with the website and flower bud induction in citrus, please read the overview section in the first advisory this year.

Current status: We now have December flower bud growth initiation which started from December 11 to 21 after 630 to 800 hours of induction, respectively, from south to north citrus areas. **The projected bloom dates for this cohort of flowers are from February 13 to 27 according to the Citrus Flowering Monitor System.** The bloom dates do not follow a sequential date pattern from south to north. There have been an additional 100 to 200 inductive hours from south to north since the first flowering wave was initiated. The weather service predicts an additional 90 to 140 hours of inductive temperatures this coming week, with most areas having 10 to 12 days of cooler temperatures. Since the first flowering wave was initiated with only 650 hours of induction from Central to South Florida, a second wave of flowering is very likely. If a second flower bud cohort is going to be initiated soon, it is likely to be right away since we are just finishing a warm period. Watch the on-line monitoring system over the next week to see if a second wave is shown for your area. If a flowering wave doesn't start within a week then the predicted 11 or 12 cool days should delay any second wave of flowering until after mid-January, not until we have another warm period.

If you didn't apply a flowering enhancement spray of urea or PO₃ at the beginning of initiation of the current flowering wave, it is now too late. I

don't advise applying a spray at the beginning of a second wave since over 800 hours of induction will have accumulated, sufficient for a good two-part spring bloom.

Off-season bloom: If you are going to have some winter bloom, buds should have pushed by now and are probably in some stage of visible flowering. I have seen one poor condition grove with some flowers. Please email me if you have significant winter flowering on reasonably healthy (full canopied) trees. Hopefully, if you were on a daily, if needed, irrigation regime you are not seeing much off-season flowers.

Spring sprays for psyllids: At least two entomologists think that a spray just at spring budbreak might be a best time to get maximum adult psyllid control at the beginning of spring growth and minimize production of a new population on the spring flush. Over the last two years it appears that bud break may be as early as 56-57 days before full bloom. If this is correct then bud break may start any time. **Check your trees!** My crew will be looking at several blocks today and tomorrow. I'll post a new advisory if we see any significant bud break or bud swelling that shortly will lead to bud break.

If you have any suggestions or questions, please contact Dr. Albrigo (albrigo@ufl.edu). If you would like to see the earlier four advisories, please go to <http://www.crec.ifas.ufl.edu/extension/flowerbud/2017/index.shtml> .

Source: Flower Bud Advisory

CHMA Psyllid Counts – Cycle 91 data

Please go to the below CHMA website to obtain the cycle #94 psyllid count data for the period of time between December 5 and December 23, 2016. http://www.crec.ifas.ufl.edu/extension/chmas/chma_ranking.shtml .

Dates to Remember

Jan. 23 WPS – Train-the-Trainer, Wauchula
Jan. 25-26 Florida Citrus Show, Ft. Pierce
Jan. 31 RUP license training and testing, Wauchula
Feb. 8 PFD and Disease Management Seminar, Arcadia
Feb. 21 Citrus Production School
Feb. 28
March 7
March 14 Safety Morning, Arcadia

Sincerely,



Stephen H. Futch, Ph.D.
Extension Agent, Multi-County
Office: 863-956-8644; E-mail: shf@ufl.edu

Enclosed fliers:

- Postbloom Fruit Drop (PFD) and Disease Management Seminar
- Citrus Production School

Postbloom Fruit Drop (PFD) and Disease Management Seminar



Wednesday, February 8, 2017
Family Service Center
310 West Whidden Street, Arcadia, Florida

SCHEDULE

- 8:30 AM Registration & Coffee/Juice
- 9:00 AM Lessons of PFD control in Brazil and their new forecast system; and an update on citrus black spot control in Sao Paulo.
Dr. Geraldo Silva, FundeCitrus, Araraquara, SP, Brazil
- 10:00 AM University of Florida's PFD model.
Dr. Natalia Peres, UF/IFAS Gulf Coast REC, Balm
- 10:30 AM Break
- 10:45 AM PFD management in Florida.
Dr. Megan Dewdney, UF/IFAS Citrus REC, Lake Alfred
- 11:15 AM Tree row volume based sprays for control of citrus diseases and pests; and an update on optimizing citrus canker management.
Dr. Franklin Behlau, FundeCitrus, Araraquara, SP, Brazil
- 12:30 PM Sponsored Lunch

PROGRAM SPONSORS



REGISTRATION

Complete registration form below and mail to
Steve Futch, CREC

700 Experiment Station Road, Lake Alfred, FL 33850

---OR---

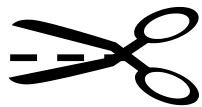
Register online at <https://pfdmanagement2017.eventbrite.com>

For more information, call 863-956-8644 or email, shf@ufl.edu

Registration required prior to February 1, 2017

Program is free to attend but preregistration is required.

Registration is limited to the first 125 participants.



REGISTRATION FORM

Postbloom Fruit Drop (PFD) and Disease Management Seminar
February 8, 2017

Mail registration form to Steve Futch, CREC, 700 Experiment Station Road, Lake Alfred, FL 33850

For more information, call 863-956-8644 or email, shf@ufl.edu

Participant Name: _____

Company: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Email: _____

Citrus Production School

February 21, 28, and March 7, 2017

7:00 PM – 9:00 PM

Family Service Center, 310 West Whidden Street, Arcadia, FL

SCHEDULE

February 21, 2017

Genetic Engineering in Agriculture – Your Questions Answered.

Dr. Kevin Folta, UF Horticulture Science Department, Gainesville, FL

Update on Genetic Modified Trees at Southern Gardens Citrus.

Mr. Tim Eyrich, VP Research and Commercialization, Southern Gardens Citrus, Clewiston, FL

February 28, 2017

Management of Asian Citrus Psyllids and Citrus Leafminer.

Dr. Phil Stansly, SWFREC, Immokalee, FL

Rootstocks, root lifespan, and yield: What do they tell us about managing root health with HLB?

Dr. Evan Johnson, CREC, Lake Alfred, FL

March 7, 2017

Injection Guidelines for Acidification of Irrigation Water; How pH Impacts “availability” of Nutrients; Which Plant Nutrients Are Best Applied to the Roots or Foliage.

Dr. Kelly Morgan, SWFREC, Immokalee, FL

Highlighting USDA Research on Bactericides for the Control of Citrus Greening,

Dr. Robert Shatters, Jr., Research Molecular Biologist, USDA, ARS, U.S. Horticulture Research Laboratory, Ft. Pierce, FL



Cost: \$20.00 per person
Registration requested prior
to February 14, 2017

REGISTRATION

Complete registration form below and mail to
Steve Futch, CREC, 700 Experiment Station Road, Lake Alfred, FL 33850

---OR---

Register online at <https://citrusproductionschool2017.eventbrite.com>

For more information, call 863-956-8644 or email, shf@ufl.edu

Registration required prior to February 14, 2017



REGISTRATION FORM

Citrus Production School

February 21, 28, and March 7, 2017

Mail registration form to Steve Futch, CREC, 700 Experiment Station Road, Lake Alfred, FL 33850

For more information, call 863-956-8644 or email, shf@ufl.edu

Please make checks payable to Citrus Advisory Committee

Participant Name: _____

Company: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Email: _____