

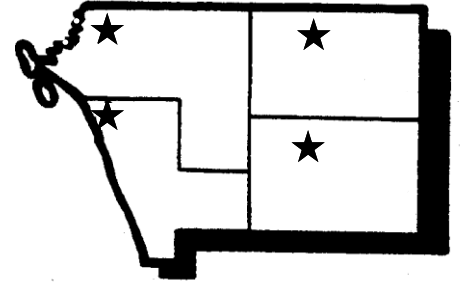
West Central Citrus Letter

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



March 8, 2018

Citrus Growers' Institute, April 3, Avon Park

The annual Citrus Growers' Institute will be held at the South Florida State College in Avon Park on April 3rd. The program begins with registration at 8 AM with the first presentation at 8:30 AM.

The program is divided into 3 main topic areas of Citrus Pathology, Horticultural Management & Economics, and Psyllid Management.

The program will offer Continuing Education Units (CEUs) toward the Restricted Use Pesticide and Certified Crop Advisors licenses.

For more information on the program and how to register, please see the enclosed flyer. Pre-registration is required prior to March 30th.

Private and Core Restricted Use Pesticide License Review and Testing, April 17, Wauchula

A three-hour pesticide license review and testing class will be conducted on Tuesday, April 11th, 2018 at the Hardee County Extension Service Office, 507 Civic Center Drive, Wauchula. The class will review the materials contained in the test to obtain a Private Applicator pesticide 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 April 11th.

Worker Protection Standards – Train the Trainer, April 24, Wauchula

A training session will be conducted from 1:00 to 5:00 PM at the Hardee County Extension Service Office, Wauchula, on Tuesday, April 24th. The session will cover the worker protection standards (WPS) information required under the rule to train employees as pesticide handlers or workers.

Four (4) continuing education units (CEUs) will be offered to individuals with restricted use pesticide licenses in the private, ag row, ag tree, forestry, ornamental & turf, or soil & greenhouse fumigation categories.

To register for the class, please call the Hardee County Extension Service Office in Wauchula at 863-773-2164. A registration fee of \$10.00 per person is required. Pre-registration requested prior to April 18th. Minimum registration to conduct the class is 5 and if

minimum is not obtained prior to April 18th, the class will be rescheduled for a later date.

AgroClimate Update

The late winter agroclimate update is enclosed with this newsletter for your reading. Per the update, the forecast for the Florida peninsula for March through May is for an increase in above average temperatures and below average precipitation. If these conditions are actually received, it should lower the risk for some fungal and bacterial diseases due to the drier conditions. However, just because the forecast is for drier conditions, rains during the bloom could create issues for PFD and then later in the season for citrus canker.

Food Safety Modernization Act, Produce Safety Rule

A number of workshops are being conducted around Florida over the next few months regarding the Produce Safety Rule. If you haven't attended one of the training sessions, you may wish to do so to be in compliance with the rule. By attending the one-day training session, you will have satisfied the requirement that each farm have at least one person trained per the rule. Upcoming training are as follows:

3/14/18 – Sebring <https://psa031418.eventbrite.com>
4/11/18 – Live Oak <https://psa041118.eventbrite.com>
4/26/18 – Balm <https://psa042618.eventbrite.com>
5/2/18 – Apopka <https://psa050218.eventbrite.com>
6/7/18 – Homestead <https://psa060718.eventbrite.com>

Dates to Remember

April 3 Citrus Growers Institute, Avon Park
April 17 Restricted Use Pesticide Review Class,
Wauchula
April 24 Worker Protection Standards, Train-
the-Trainer Class, Wauchula

Sincerely,

Stephen H. Futch
Extension Agent, Multi-County
Office: 863-956-8644
Email: shf@ufl.edu

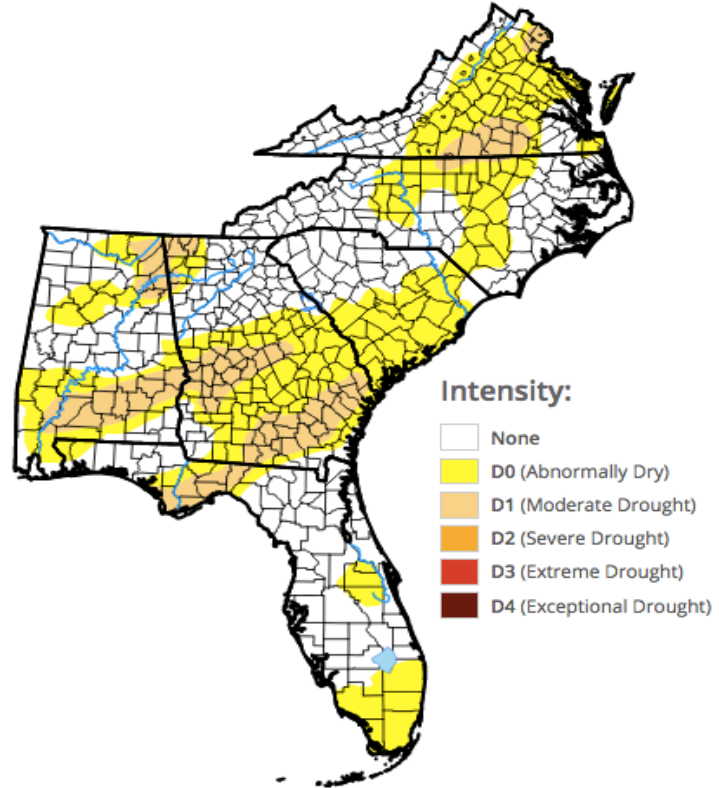
Enc.: AgroClimate Update

Citrus Growers' Institute flyer

Late Winter AgroClimate Update

March 1, 2018

La Niña conditions are present in the tropical Pacific Ocean and expected to persist during the remaining of the winter, transitioning to ENSO-Neutral in the spring. According to the U.S. Drought monitor (<http://droughtmonitor.unl.edu/>) the southern peninsula and sections of the panhandle are experiencing abnormal dryness (D0) or moderate drought (D1). However dry conditions are favored for the Florida peninsula during March with elevated risk of wildfire activity. Record-warm temperatures were recorded across the state during February.



While drier conditions generally decrease fungal and bacterial diseases and help growers reduce the number of fungicide applications, viruses caused by thrips (Tomato Spotted Wilt [TSW]) and white fly (Tomato Yellow Leaf Curl [TYLCV]) are problems as warm, dry winter may increase flower thrips abundance. Yellow mustard and wild pansy are ideal hosts for thrips, and a warm winter may provide ideal growing conditions for these and many other host plants. If conditions are dry during the spring it may be best to kill cover crops earlier in order to preserve more moisture in the soil. High nighttime temperatures (above 65°F) can also be a problem for fruit setting.

February Weather Report

Average rainfall accumulated during February in Florida ranged from about 0.6 inches in the Southern District to 7.1 inches in the Northwest District. Below average rainfall was observed in all districts but the Northwest. Average maximum temperatures across the state during February were record-warm ranging from about 73°F in the Northwest to 79°F in the Southern peninsula.

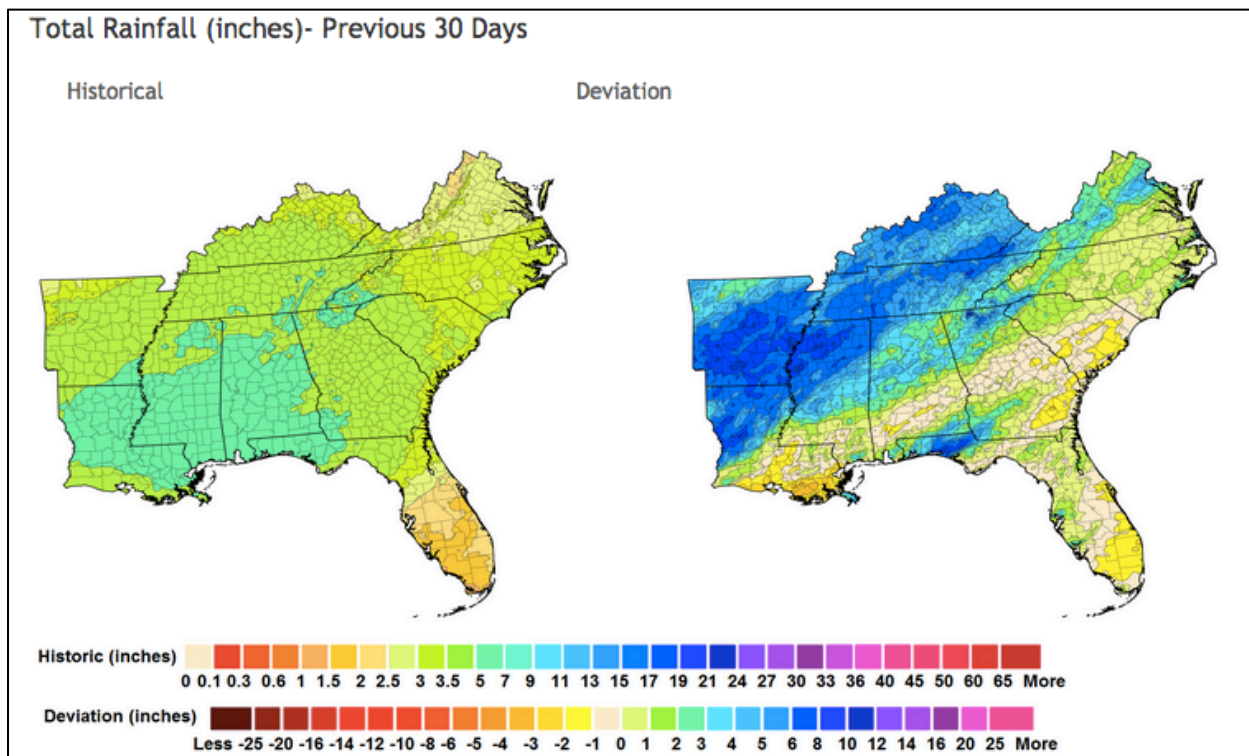
Florida - Districts Report

Time period of 02/01/2018 to 02/28/2018

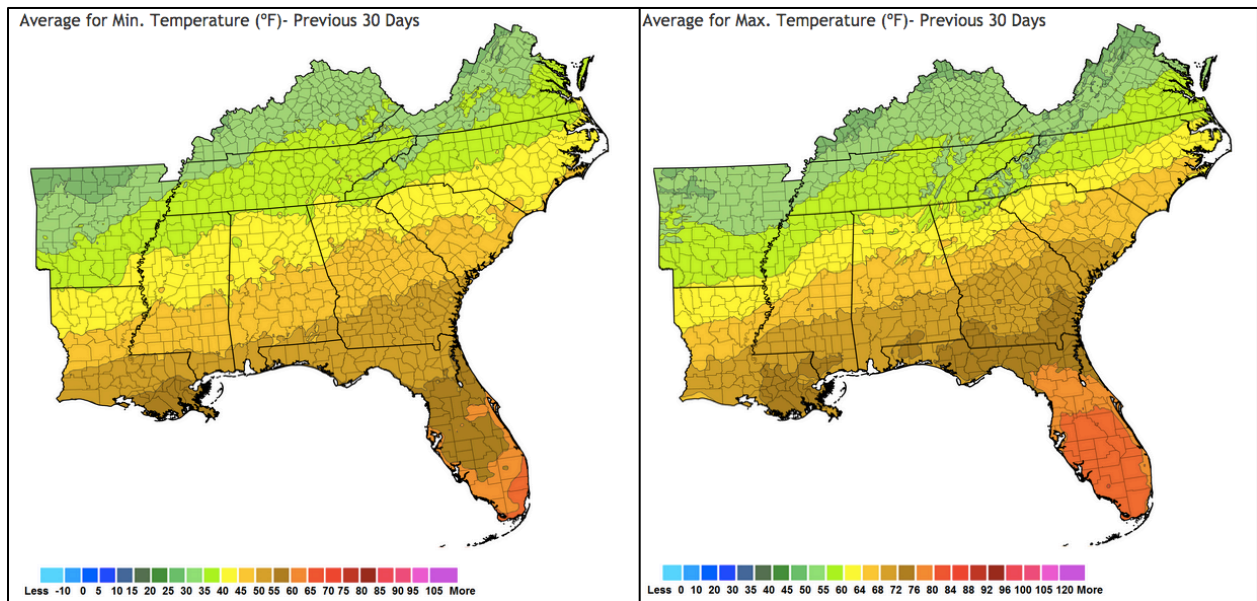
District Code	District Name	Total Precipitation (Inches)				Maximum Temperature (°F)			
		Observed	Percentile of all long-term observations (%)	Deviation for long-term Avg	5-year Avg	Observed	Percentile of all long-term observations (%)	Deviation for long-term Avg	5-year Avg
10	Northwest	7.1	81	2.1	5.2	73.3	97.2	7.3	67.6
30	Northeast	2.2	35.1	-1.5	3.2	75.4	100	7.1	69.8
50	Central	1.1	8.1	-1.7	2.6	78.8	100	7.2	72.8
80	Southern	0.6	18.9	-1.4	1.8	81.9	100	5.4	77.6



Average total rainfall and maximum temperature for Florida districts during the month of February and ranking based on long-term averages (Data source: PRISM Climate Group).



Total rainfall (in) long-term averages (left) and observed deviation (right) during the month of February (Data source: PRISM Climate Group): <http://agroclimate.org/tools/rainfall-and-temp-monitoring/>

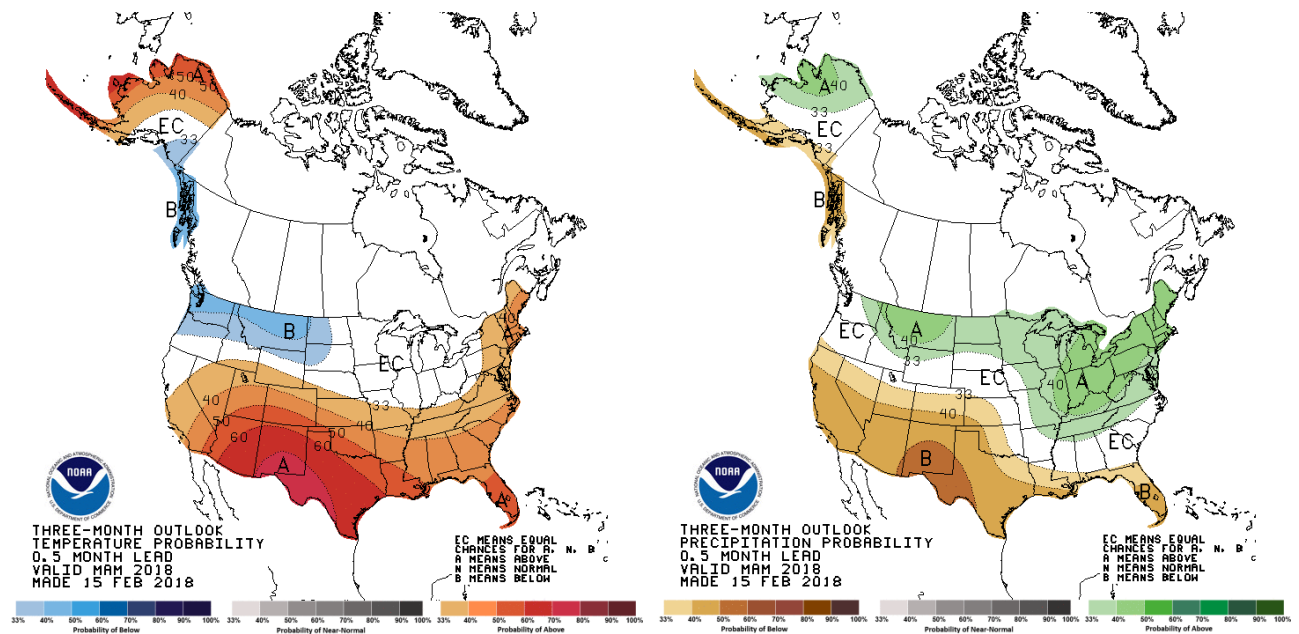


Average minimum (left) and maximum temperatures (right) during the month of February (Data source: PRISM Climate Group): <http://agroclimate.org/tools/rainfall-and-temp-monitoring/>

Seasonal Outlook

NOAA-CPC 3-month outlooks (Mar-April-May) indicate **increased probability** for above average temperature (left) and below average precipitation (right) for Florida during the next 3 months (check the AgroClimate website to learn more about how to read the seasonal forecast maps:

<http://agroclimate.org/forecasts/seasonal-forecast/>)

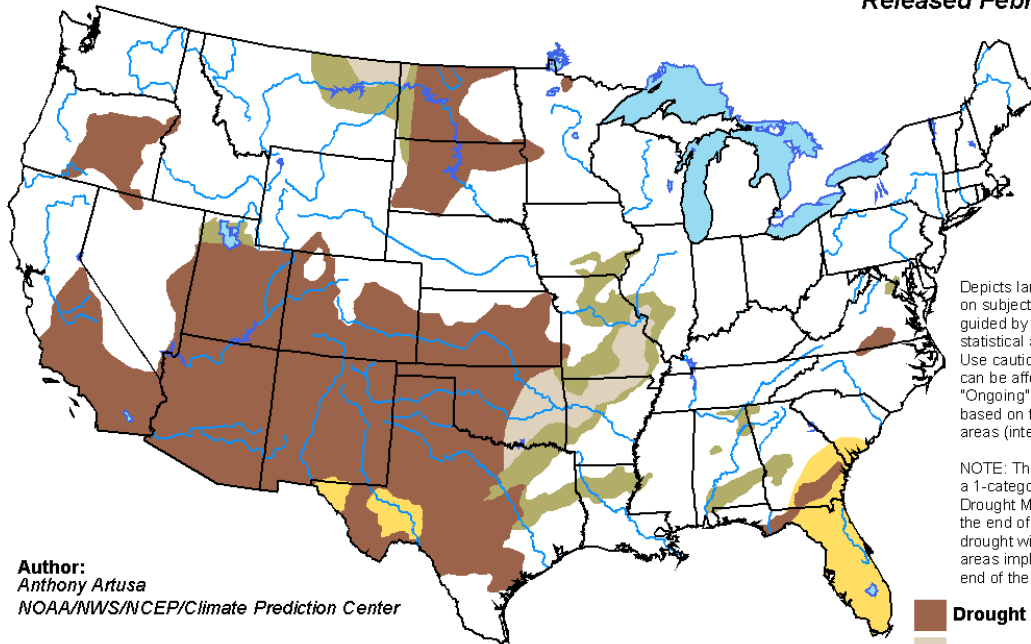


Drought outlook

The latest drought outlook indicates that prospects for drought development are elevated for the Florida peninsula, southeastern Georgia, and along much of the South Carolina coast. It is during March and April that the Florida peninsula typically experiences the height of the dry season, along with significantly elevated wildfire activity.





U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for March 2018
Released February 28, 2018



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

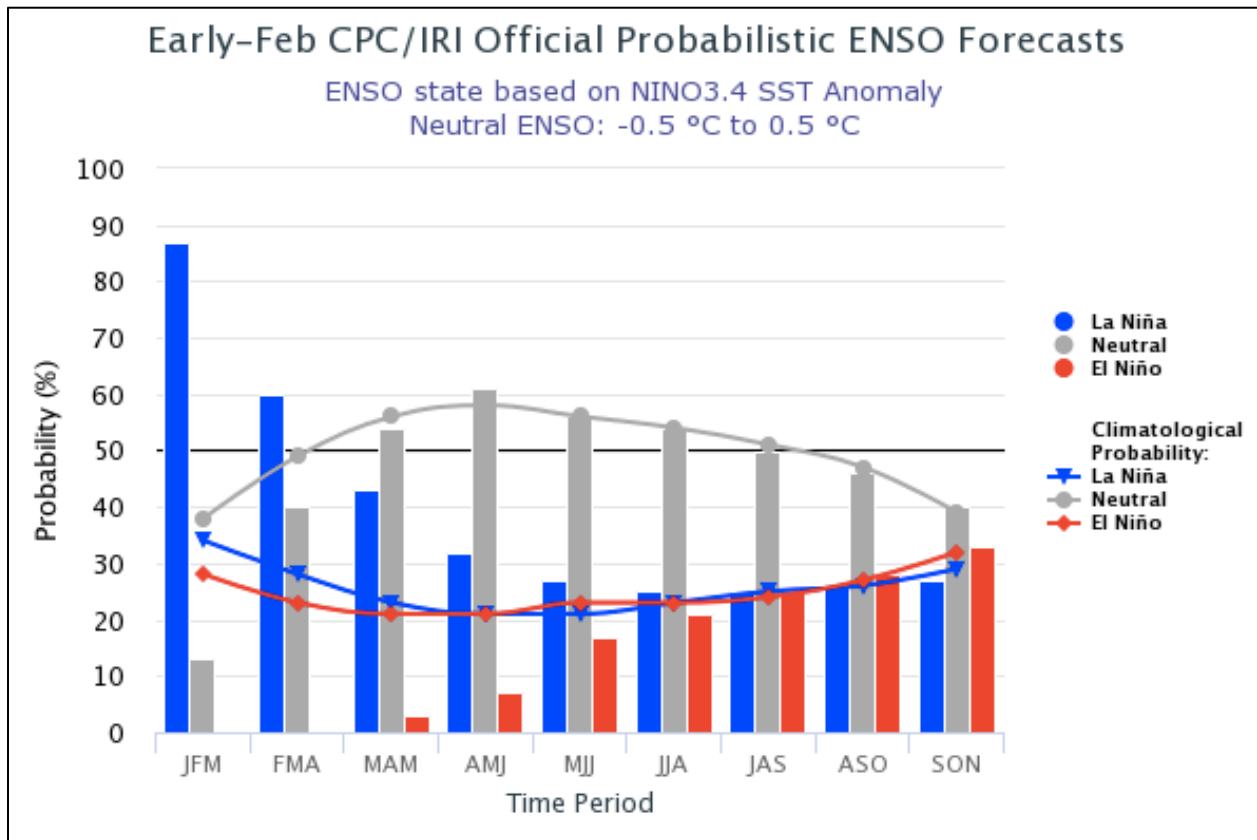
-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZGd>

EL Niño Southern Oscillation (ENSO) update

In mid-February 2018, the tropical Pacific reflected La Niña conditions, with Sea Surface Temperatures (SSTs) in the east-central tropical Pacific Ocean in the range of weak to moderate La Niña and most key atmospheric variables showing patterns suggestive of La Niña conditions. The official CPC/IRI outlook calls for La Niña continuing through at least early spring, followed by a likely return to neutral conditions around mid-spring.



CPC/IRI ENSO probabilistic forecast indicating a return to Neutral ENSO conditions in early spring:
https://iri.columbia.edu/our-expertise/climate/forecasts/enso/current/?enso_tab=enso-cpc_update

Our Sponsors



PURPOSE OF THE INSTITUTE

Citrus Greening or Huanglongbing (HLB) continues to impact all citrus production areas of Florida. The 2018 Florida Citrus Growers' Institute is an opportunity for Florida citrus growers to come together to learn about effective management of HLB and other challenging diseases affecting the industry. Topics this year include citrus pathology, horticultural management of HLB, Asian citrus psyllid management, and the use of bactericides.

CONTINUING EDUCATION UNITS

Continuing Education Units (CEU's) will be offered for holders of restricted use pesticide licenses (RUP) and certified crop advisors (CCA). CEU's have been granted in the following categories: private applicator, agricultural tree crop and demonstration & research for RUP holders. CEU's have been requested for CCA's in the appropriate CEU categories.

SPONSORS

PLATINUM

Bayer CropScience

Harrells

Syngenta Crop Protection

GOLD

BASF

FMC Corporation

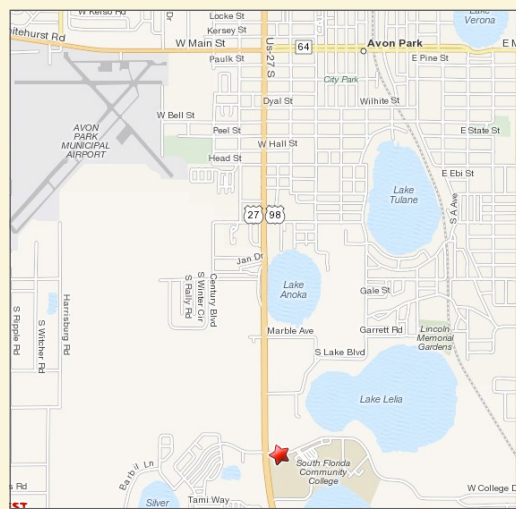
Valent

BRONZE

Alltech

Farm Credit

Gowan



DIRECTIONS

The South Florida State College is located at 600 West College Drive in Avon Park.

From the South: Take U.S. Hwy. 27/98 north towards Avon Park, turn east onto W. College Drive and follow the signs to the Theatre.

From the North: Take U.S. Hwy. 27/98 south to Avon Park, continue south to W. College Drive, turn east onto W. College Drive and follow the signs to the Theatre.

From the East: Take U.S. Hwy. 98 north to where U.S. Hwy. 27/98 merge south of Sebring. Proceed on U.S. Hwy. 27/98 north towards Avon Park, turn east onto W. College Drive and follow the signs to the Theatre.

From the West: Take S.R. 64 east to Avon Park, turn south on U.S. Highway 27/98 to W. College Drive, turn east onto W. College Drive and follow the signs to the Theatre.

SOUTH FLORIDA STATE COLLEGE
ALAN JAY WILDSTEIN
CENTER FOR THE PERFORMING ARTS
600 W. COLLEGE DRIVE
AVON PARK, FL

FLORIDA CITRUS GROWERS' INSTITUTE



Conducted by

University of Florida, IFAS Extension
Citrus Research and Development
Foundation

South Florida State College
Alan Jay Wildstein
Center for Performing Arts
Avon Park, Florida

April 3, 2018

2018 Florida Citrus Growers' Institute

PROGRAM AGENDA TUESDAY, APRIL 3, 2018

8:00 AM - Registration

8:30 AM - Welcome and Introductions

Ms. Laurie Hurner, CES, Sebring, FL

8:45 AM - Review of CRDF Programs - *Dr. Lisa Weaver, CRDF*

CITRUS PATHOLOGY

Moderator: Mr. Chris Oswalt, CES, Bartow, FL

9:05 AM - Citrus Compliance Agreements - *Ms Callie Walker, FDACS/DPI*

9:15 AM - Citrus Canker Control & Citrus Black Spot Update - *Dr. Megan Dewdney, UF/IFAS CREC*

9:45 AM - Update on Bactericide Effectiveness in the Battle Against HLB - *Dr. Robert Shatters, USDA/ARS*

10:15 AM - Break

HORTICULTURAL MANAGEMENT AND ECONOMICS

Moderator: Dr. Steve Futch, CES, UF/IFAS CREC

10:30 AM - Net Present Value of New Citrus Plantings - *Dr. Ariel Singerman, UF/IFAS CREC*

11:00 AM - Alternatives to Rootstock Propagation by Seed - What can we Expect? - *Dr. Ute Albrecht, UF/IFAS SWFREC*

11:30 AM - Citrus Under Protective Screen Update with Post Hurricane Observations - *Dr. Arnold Schumann, UF/IFAS CREC*

12:00 PM - Lunch

1:00 PM - Effective Citrus Weed Management - Challenges and Opportunities - *Dr. Ramdas Kaniswery, UF/IFAS SWFREC*

PSYLLID MANAGEMENT

Moderator: Dr. Mongi Zekri, CES, LaBelle, FL

1:30 PM - Insecticide Mode of Action Rotation for Psyllid Control in Florida - *Dr. Lukasz Stelinski, UF/IFAS CREC*

2:00 PM - Imidacloprid Alternatives for Growing Young Citrus Trees - *Dr. Phil Stanely, UF/IFAS SWFREC*

2:30 PM - Tamarixia Release Results - *Dr. Robin Stuart, FDACS/DPI*

3:00 PM - Adjourn

CES: County Extension Service

CRDF: Citrus Research and Development Foundation

CREC: Citrus Research & Education Center, Lake Alfred, FL

FDACS/DPI: Florida Department of Agriculture & Consumer Services/ Division of Plant Industry, Gainesville, FL

SWFREC: Southwest Florida Research & Education Center, Immokalee, FL

UF/IFAS: University of Florida, Institute of Food and Agricultural Sciences

USDA/ARS: United States Department of Agriculture/Agricultural Research Service, Ft. Pierce, FL

The Institute of Food and Agricultural Sciences (IFAS) is an Equal Opportunity Institution.



FLORIDA CITRUS GROWERS' INSTITUTE

April 3, 2018

PREREGISTRATION IS REQUIRED

Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Phone: _____ Email: _____

Please send registration by March 30, 2018 to:

Gail Crawford, Polk County Extension Service, P.O. Box 9005, Drawer HS03, Bartow, FL 33831

By phone: 863-519-1042, Fax: 863-534-0001, email: dorothy@ufl.edu or

online at: <https://2018citrusinstitute.eventbrite.com>