Citrus Notes

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IMPORTANT DATES

DECEMBER 7, 2016
INTERIM SUSTAINABLE SOLUTIONS FOR FRESH CITRUS PRODUCTION

JANUARY 10, 2017
PRODUCE SAFETY ALLIANCE GROWER TRAINING

JANUARY 25-26, 2017
FLORIDA CITRUS SHOW

CONTACT INFO

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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

Interim Sustainable Solutions for Fresh

Citrus Fruit Production in Florida

We will be holding a workshop on interim solutions for fresh citrus fruit production in Florida. The program will feature research updates on the undercover citrus production systems located at the UF/IFAS Indian River Research and Education Center and the one at CREC. There will also be updates on whole tree thermo-therapy and the economics of both planting systems.

The workshop will be held on Wednesday, December 7, 2016, at the UF/IFAS Citrus Research and Education Center, BHG Citrus Hall, 700 Experiment Station Rd, in Lake Alfred.

Additional program and registration information is included in the program flyer attached to the end of this newsletter. **Pre-registration is required by Friday, December 2, 2016.**

Citrus Pest Management Course

Offered in Spring

Citrus Pest Management, (PMA 5205, section 011C) will be offered for the Spring 2017 term at the University of Florida/IFAS Citrus Research and Education Center (CREC) in Lake Alfred and via distance education at the Department of Entomology and Nematology in Gainesville (section 0109). Additional distance education sites and sections will be established at UF-IFAS Research and Education Centers on request.

Citrus Pest Management is a graduate-level course (3.0 units) for students and citrus industry personnel working in the area of pest management. The course reviews the latest tactics and strategies available to manage diseases and arthropod, nematode and weed pests of citrus. Emphasis is given to techniques by which pest and disease organisms are monitored, and how this information is used to effectively manage pests with the least risk to the environment.

Non-degree students must complete a nondegree application for this course, https://student.ufl.edu/cgi-bin/eaglec?MDASTRAN=nda-intro

Ms Ruth Brumbaugh, 352-273-3912, brumbaug@ufl.edu, will register you for the course. The cost of the course is $524.67 per credit, and this is a three credit course. State tuition waivers are accepted. For additional information about the class contact Dr. Larry Duncan (863-956-8822; lwduncan@ufl.edu).

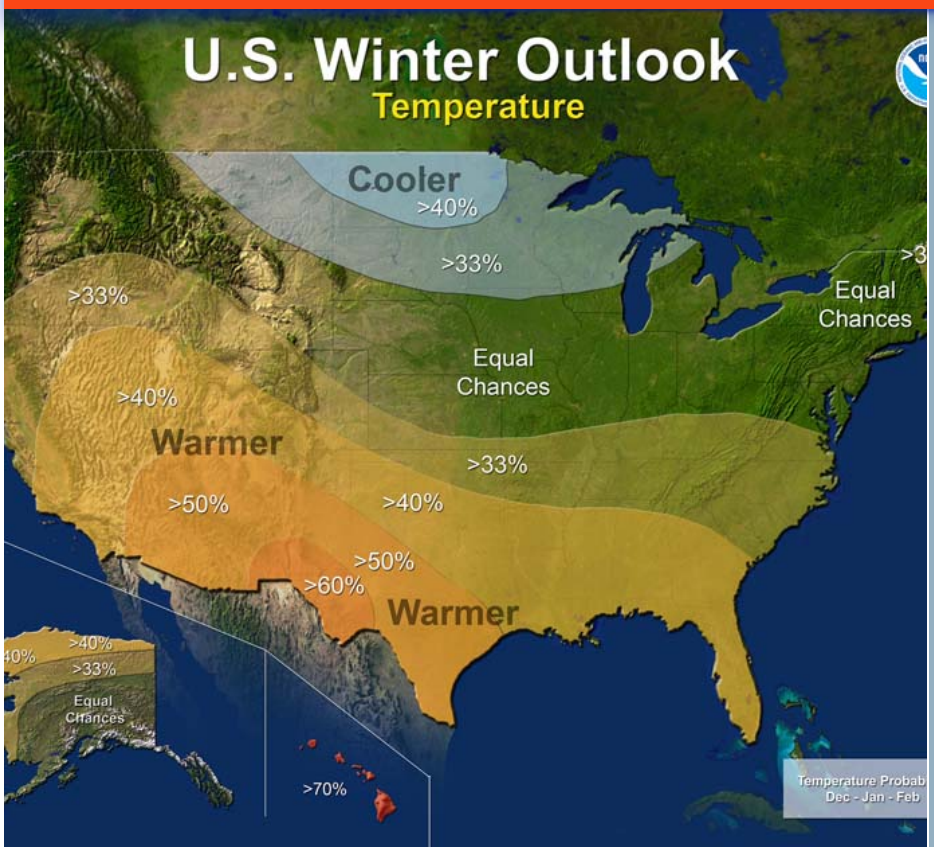
Produce Safety Alliance

Grower Training

On Tuesday, January 10, 2017, at the UF/IFAS Citrus Research and Education Center, we will be holding a grower training for compliance with the Food Safety Modernization Act (FSMA). This training course is one of the ways growers can satisfy the FSMA produce safety rule. I have attached the program brochure with registration information at the end of this newsletter.

UF | IFAS Extension
UNIVERSITY of FLORIDA

The Foundation for the Gator Nation
An Equal Opportunity Institution



2016-2017 WINTER WEATHER WATCH

The 2016-17 edition of the Polk County Winter Weather Watch Program began on November 15, 2016. The program provides growers with winter weather forecast information specifically geared toward agricultural interests in West Central and Southwest Florida.

Subscriptions for the Winter Weather Watch Program are only $100.00 for the entire 4 month period (Nov 15 to Mar 15).

You can subscribe to the Winter Weather Watch by completing and returning the enclosed "subscription form".

Citrus Flower Bud Induction

Overview and Advisory

Dr. Gene Albrigo has begun issuing his citrus flower bud advisories for this winter. The following information is from advisory #1 issued in November. The advisories are located at the following website: http://www.crec.ifas.ufl.edu/extension/flowerbud/2017/index.shtml.

Flowering related to the current 2016 -17 Crop Estimate– In spite of a reportedly strong El Niño winter, cool flower bud inductive temperatures did not start until January. The later than normal inductive period was also largely responsible for the later final bloom in April. Even so, last spring's flowering had two strong flowering periods in March and April and should have resulted in a good crop considering the HLB disease condition of the trees. Unfortunately heavy spring rains followed off-season and regular blooms that carried over PFD fungal inoculum to the final flowering cohort resulted in severe losses to PFD in many blocks, particularly of navels and Valencia. The current estimate is for 70 million boxes of round oranges, which would have been closer to last year's crop without the PFD losses.

Flower bud induction status 2016-17 for 2017-2018 crop- This is probably going to be a weak La Niña ENSO winter (45 % chance) with higher than average cool temperature accumulation and lower rainfall. Currently, citrus locations have accumulated low inductive temperatures, < 68 degrees F, of only 65 to 147 hours from southern to northern areas, respectively. The next 7 days will have low cool temperature accumulation with less than 40 to 75 hours, south to north. This is slightly more hours than last year, which had very low accumulation of low temperatures until January. Accumulation of cool temperatures and prevention of growth during a winter warm spell is very important for good 2017-18 citrus production. The weather needs to cool down soon and follow a better pattern of cool temperature accumulation than last year.

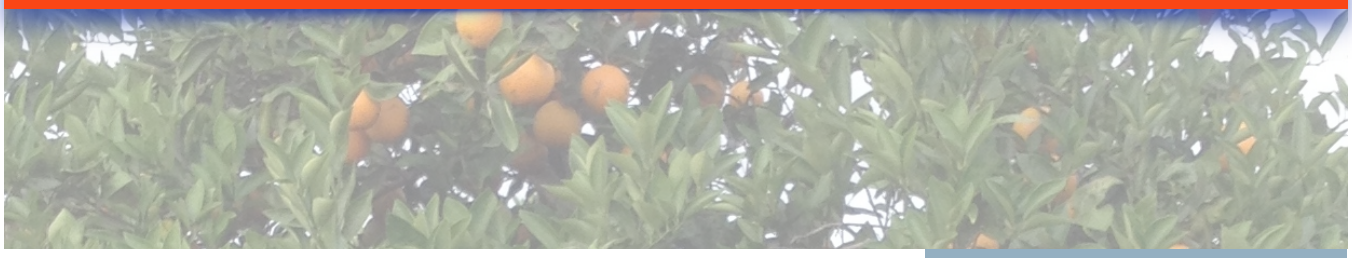
Incentive Programs Available to

Florida Citrus Growers

Dr. Ariel Singerman, Extension Economist at the UF/IFAS Citrus Research and Education Center, has a publication summarizing and describing three incentive programs available to Florida citrus growers located at the following link: http://www.crec.ifas.ufl.edu/extension/economics/pdf/Summary_of_incentive_programs.pdf.

The three programs summarized in the publication are: 1) citrus grove renovation/re-establishment support program administered by the Florida Department of Agriculture and Consumer Services (FDACS), 2) abandoned grove abatement initiative administered by FDACS and 3) tree assistance program (TAP) administered by the United State Department of Agriculture's Farm Service Agency.

Programs cover irrigation/nutrient management systems, tree cost, site prep, planting and taxable land values.



EPA Proposed

Revocation of Chlorpyrifos

The following was provided by DowAgroSciences:

On November 17, 2016, EPA issued a Notice of Data Availability (NODA) to inform the public of the data that EPA may use to support a proposed decision to revoke all chlorpyrifos tolerances. This NODA is not a final decision. EPA has until March 31, 2017 to make a final decision. Dow AgroSciences has issued a press release that reaffirms our disagreement with EPA's proposal and responds to the NODA announcement. That press release is available at this link. http://www.chlorpyrifos.com/news-and-resources/news/2016/20161110a.htm

Along with this NODA, EPA has opened a 60-day public comment period which closes on January 17, 2017. EPA has indicated that this NODA comment period will be the last opportunity for stakeholders to express their need for chlorpyrifos. It is critical that you use this last opportunity to make your voice heard.

Attached is a letter that provides background on EPA's proposal and information about the NODA. Dow AgroSciences has also created a website that enables you to easily sign petitions that support the need to maintain chlorpyrifos tolerances on critical crops. All the signatures collected on these petitions will be submitted to EPA. You are invited to sign the petitions by clicking on this link: www.chlorpyrifos.com/petition

This is a critical time for chlorpyrifos. It's the last opportunity to inform EPA just how much the Ag industry needs this chemistry. We invite you to use these resources to stand up and fight for chlorpyrifos.

2017

Florida Citrus Show

The 2017 Florida Citrus Show will be held on January 25 & 26, 2017, at the Havert L. Fenn Center in Ft. Pierce. Registration and program information can be found at the following website: http://www.citrusshow.com/ .

2016-17

Citrus Leaf Freezing Temperatures

With the onset of cooler temperatures citrus trees cease active growth and become quiescent. This continued quiescence at lower temperatures results in a subsequent increase in cold hardiness termed acclimation. Citrus trees proceed through many changes during acclimation. These changes include: increases in sugars and amino acids with decreases in starch levels within plant tissues. Tissue moisture decreases along with increases in the stability and binding of cell water. These factors combine to increase the ability of citrus tissues to withstand the formation and presence of ice.

Citrus trees acclimated to cold temperatures have survive temperatures as low as 14°F. Acclimation is affected by exposure temperatures, scion cultivar, rootstock cultivar, rootstock/scion combination, tree nutritional status, crop load and water stress. Acclimation is dynamic and will change during the winter in response to warming exposure temperatures with a possible resumption of growth.

Results of weekly citrus leaf freezing temperatures will be posted online at: http://fawn.ifas.ufl.edu/tools/coldp/crit_temp_select_guide_citrus.php. This project is partially funded by the Southwest Florida Water Management District.

SYNGENTA SUMMER INTERN RECRUITING

Syngenta has kicked off their recruiting efforts for the 2017 Florida Intern Program.

Below is 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)

Please have all interested candidates email their resumes directly to cody.hoffman@syngenta.com. The Syngenta sales team will be interviewing interested candidates now through December 2016, at which time they hope to have all candidate selections complete.

Interim Sustainable Solutions for Fresh Citrus Fruit Production in Florida

Wednesday, December 7, 2016

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

PROGRAM

8:30 am Check in
9:00 am Welcome, instructions for tour *(M. Rogers, C. Oswalt, UF/IFAS)*
9:10 am Walk around tour of CUPS[1] & WTT[1] field trials[2] *(A. Schumann, UF/IFAS)*
9:40 am Return inside for presentations
9:50 am Update of the IRREC CUPS research (*A. Wright, UF/IFAS*)
10:20 am Update of the CREC CUPS & WTT research (*A. Schumann, UF/IFAS*)
10:50 am Updated economic assessment of CUPS & WTT (*A. Singerman, UF/IFAS*)
11:20 am Commercial-scale fresh citrus with CUPS (*E. Pines, EiP Citrus Management LLC*)
11:40 am General discussion: Designing and managing your own CUPS or WTT
12:30 pm Lunch

[1]*Interim solutions include Citrus Undercover Production Systems (CUPS) and Whole Tree Thermotherapy (WTT)*
[2]*A low incidence of citrus canker exists in the experiment. Personnel decontamination facilities are provided. Enter at your own risk.*

Each participant will receive a guide describing our current knowledge for a CUPS / WTT

Four Easy Ways to Register

1. Online at http://interimcitrussolutions2016.eventbrite.com
2. Fax the registration form below to 863-956-8768
3. Call Sarah McCoy 863-956-8632
4. Email completed registration form to Sarah McCoy sarahmccoy@ufl.edu

Pre-registration is required by December 2, 2016

USDA-SCRI

CREC Citrus Research and Education Foundation, Inc.

IFAS Research Florida Agricultural Experiment Station

REGISTRATION FORM

Interim Sustainable Solutions for Fresh Citrus Fruit Production in Florida
Wednesday, December 7, 2016
Submit form to: Sarah McCoy, sarahmccoy@ufl.edu Phone: 863-956-8632 Fax: 863-956-8768

Participant Name: _____

Company Name: _____

Mailing Address: _____

Phone: _____ Email: _____

UF IFAS Extension UNIVERSITY of FLORIDA

Pre-registration required by Friday, December 2, 2016

Registration Form

Please note: Substitutions are NOT acceptable.

Registration is also available online at:
http://psa011017.eventbrite.com

PSA Training
UF/IFAS CREC – January 10, 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 $150 per participant and $125 for government/academic employees is requested by December 30th, 2016. If you are a member of FFVA, a discounted rate of $99 is available. (Not sure if you're a member? Contact Sonia Tighe at 321-214-5245 or sonia.tighe@ffva.com)

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

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

January 10 – Lake Alfred, FL
http://psa011017.eventbrite.com

February 7 – Live Oak, FL
http://psa020717.eventbrite.com

February 13 – Marianna, FL
http://psa021317.eventbrite.com

March 13 – Arcadia, FL
http://psa031317.eventbrite.com

April 20 – Tavares, FL
http://psa042017.eventbrite.com

May 17 – Palmetto, FL
http://psa051717.eventbrite.com

UF IFAS UNIVERSITY of FLORIDA

FFVA FLORIDA FRUIT & VEGETABLE ASSOCIATION

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

Produce Safety Alliance Grower Training

January 10, 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

UF IFAS UNIVERSITY of FLORIDA

FFVA FLORIDA FRUIT & VEGETABLE ASSOCIATION

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 $150 for industry participants. A reduced fee of $125 is available for government/academic employees that make prior arrangements. For attendees who are members of FFVA, a discounted rate of $99 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.

2016 – 2017 WINTER WEATHER WATCH PROGRAM

NOVEMBER 15, 2016 TO MARCH 15, 2017
REGISTRATION FEE: $100.00

It's once again time to register for the upcoming 2016 - 2017 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.

2016 - 2017 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

FORECAST SCHEDULE

Forecast Product	Above 32	32^0	Below 28
Zone	*Daily 8:30 a.m.*	*Daily 8:30 a.m.*	*Daily 8:30 a.m.*
6-10 & 8-14 Day Outlooks	*Mon/Wed/Fri 8:30 a.m.*	*Mon/Wed/Fri 8:30 a.m.*	*Mon/Wed/Fri 8:30 a.m.*
Weekly Outlook	*Friday 5:00 p.m.*	*Friday 5:00 p.m.*	*Friday 5:00 p.m.*
Leaf Freezing Temperatures	*Friday 5:00 p.m.*	*Friday 5:00 p.m.*	*Friday 5:00 p.m.*
Special Weather Narratives	*As Needed*	*Daily 4:00 p.m.*	*Daily 4:00 p.m.*
Afternoon Zone	*None*	*Daily 5:30 p.m.*	*Daily 5:30 p.m.*
Sunset/Brunt	*As Needed*	*As Needed*	*Daily 7:00 p.m.*