

Central Florida



and Fruit Crops Update

March 2015

- **Upcoming Events**
- **Commercial Fruit Growers Seminar in Kissimmee on March 31**
- **2015 Florida Citrus Growers Institute**
- **Certified Crop Advisors Training**
- **Deadline for Citrus Crop Insurance for the 2016 Season**
- **Registration Opens for the 2015 Florida Citrus Industry Conf.**
- **Producing and Licensing New UF Plant Varieties**
- **Next Citrus CHMA Coordinated Area Spray Planned**
- **March Citrus Crop Estimate Drops Slightly**
- **CHMA Map of the Month**

Upcoming Events

- March 31** Commercial Fruit Growers Seminar at the UF/IFAS Extension—Osceola County Extension Office in Kissimmee
- April 2** General Standards CORE and Ornamental & Turf Pesticide Review and Exams at the UF/IFAS Extension—Marion County Office in Ocala
- April 7** Florida Citrus Growers Institute at South Florida State College in Avon Park
- April 8** U.S. Horticultural Research Laboratory Open House 2015 in Ft. Pierce
- April 10** Water Workshop for the Produce Industry at the Aquatic Food Product Lab on the UF Campus in Gainesville
- April 15** Certified Crop Advisor Workshop at the UF/IFAS Extension—Lake County Office in Tavares
- May 7** Florida Citrus Mutual Annual Meeting and Elections (Districts 1, 2, 3 & 4) at the UF/IFAS Extension—Lake County Office in Tavares
- May 13-14** HACCP for Florida Fresh Fruit and Vegetable Packinghouses at the Gulf Coast Research and Education Center in Balm
- May 31—June 2** 128th Florida State Horticultural Society Annual Meeting at the Renaissance World Golf Village Resort in St. Augustine
- June 17—19** Florida Citrus Industry Annual Conference at the Hyatt Regency Coconut Point Resort & Spa in Bonita Springs

Commercial Fruit Growers Seminar in Kissimmee on March 31



A seminar for commercial fruit crop producers is being held at the UF/IFAS Extension—Osceola County Office on Tuesday, March 31, 2015. Some of the topics included in the workshop are:

New citrus varieties

Dr. Jude Grosser- UF/IFAS Professor, Plant Cell Genetics, UF Citrus Research & Education Center, Lake Alfred, FL

Citrus nutrient management in the greening era and Plant growth regulators in citrus production

Dr. Tripti Vashisth, UF/IFAS Assistant Professor and Extension Specialist, Citrus/Horticultural Sciences, UF Citrus Research & Education Center, Lake Alfred, FL

Blueberry cultivar selection and culture in Osceola County and Key pests of blueberry

Gary England, UF/IFAS Multi-County Extension Agent, Fruit Production

Optimizing peach fruit size and quality through appropriate thinning, fertilization, and ripening

Dr. Mercy Olmstead, UF Assistant Professor and Extension Specialist, Stone Fruit

Pre-Registration for this Workshop is Mandatory and can be accomplished by following the link below:

[Commercial Fruit Growers Seminar Registration](#)

2015 Florida Citrus Growers' Institute

PROGRAM AGENDA TUESDAY, APRIL 7, 2015

8:00 AM - Registration

8:30 AM - Welcome and Introductions
Dr. Steve Futch, UF/IFAS CREC

CITRUS TREE HEALTH AND PSYLLID MANAGEMENT

*Moderators: Mr. Chris Oswald, CES, Bartow, FL &
Ms. Laurie Hurner, CES, Sebring, FL*

8:45 AM - Understanding Bicarbonates and
the Impact on Tree Health - *Dr. Kelly Morgan,
UF/IFAS SWFREC*

9:10 AM - Nutrient Programs for Citrus - *Dr.
Arnold Schumann, UF/IFAS CREC*

9:35 AM - Psyllid Management - *Dr. Michael
Rogers, UF/IFAS CREC*

10:00 AM - Break

10:15 AM - Are CHMA's Working as Expected
- *Dr. Phil Stanoly, UF/IFAS SWFREC*

PROJECTS TO BATTLE HLB

*Moderators: Dr. Mongi Zekri, CES, LaBelle, FL &
Mr. Parker Platts, CES, Ft. Pierce, FL*

10:40 AM - Funded Projects to Aid Growers in
the HLB Battle - *Dr. Harold Browning, Chief
Operating Officer, Citrus Research and
Development Foundation, Inc., Lake Alfred, FL*

11:05 AM - Incapacitating Psyllids to Host the
Greening Bacteria or Transmit the Disease -
Dr. Kirsten Pelz-Stelinski, UF/IFAS CREC

11:30 AM - Antimicrobial Therapies for HLB
and Canker - *Dr. Stephanie Sliniski, Citrus
Research and Development Foundation, Inc.,
Lake Alfred, FL*

Conducted by

University of Florida, IFAS Extension
Citrus Research and Development
Foundation

South Florida State College
Theatre for Performing Arts
Avon Park, Florida
April 7, 2015

12:00 PM - Lunch

UF IFAS Extension
UNIVERSITY of FLORIDA

1:00 PM - Chemotherapy or Antibiotic
Treatments of HLB Infected Trees - *Dr. Wayne
Dixon, FDACS/DPI*

1:25 PM - Efficiency and Advances in
Thermotherapies Against HLB - *Dr. Reza
Ehsani, UF/IFAS CREC*

BREEDING FOR HLB TOLERANCE AND CANKER CONTROL

*Moderators: Mr. Gary England, CES, Tavares, FL
& Dr. Cami McAvoy, CES, Bushnell, FL*

1:50 PM - Breeding to Mitigate HLB in Citrus
- *Dr. Jude Grosser, UF/IFAS CREC*

2:15 PM - HLB Tolerant Rootstocks - *Dr. Kim
Bowman, USDA/ARS*

2:40 PM - Reasons for Inconsistent Control of
Canker - *Dr. Jim Graham, UF/IFAS CREC*

3:05 PM - Adjourn

CES: County Extension Service

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.

Pre-Registration is Required:

Click on: [Online Registration](#)

Click on: [E-mail Registration](#)

Call: (863) 519-1042

Certified Crop Advisors Training

UF/IFAS will be conducting a Certified Crop Advisors (CCA) training session on Wednesday, April 15, 2015. CCAs will have the opportunity to obtain 5 CEUs each in Pest Management and Nutrient Management. The CCA Training will be offered in the following locations:

Gainesville
Balm
Lake Alfred
Immokalee
Tavares
Ft. Pierce

All registrations for this training will be conducted on-line and may be completed by following the link below:

Certified Crop Advisor Training Registration

Deadline for Citrus Crop Insurance for the 2016 Season

For citrus producers that wish to expand their risk management strategy by obtaining crop insurance against such events as wind, hail, freeze, etc., the deadline to purchase coverage for the 2016 season (typically starts approximately 30 days after the deadline to purchase) is Wednesday April 15, 2015 for sales closing for Citrus Fruit & Trees. I have placed a link to the USDA/RMA Fact Sheet for the 2015 Citrus Fruit Program, that should be similar for the upcoming 2016 Season. Be sure to contact your crop insurance provider for complete information on these programs.

Citrus Programs for 2015 Season

Registration Opens for the 2015 Florida Citrus Industry Conference



Pre-Registration for the 2015 Florida Citrus Industry Conference being held at the Hyatt Regency Coconut Point Resort & Spa June 17-19, 2015 is open and can be completed at: www.flcitrusmutual.com.

Producing and Licensing New UF Plant Varieties

UF/IFAS Dean of Research, Dr. Jackie Burns, has provided the following update for those interested in learning about the production and licensing of new UF/IFAS plant varieties:

MARCH, 2015

PRODUCING AND LICENSING NEW PLANT VARIETIES DEVELOPED BY UF/IFAS BREEDERS

For more than a century, University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) plant breeders have released new plant varieties with superior traits – improved disease resistance, greater yields, better flavor. These varieties have had tremendous economic benefit to the state and its agricultural producers. The interests of Florida growers are a primary concern for UF/IFAS throughout the development and licensing process:

Producing New Varieties

New plant varieties are developed to meet growers' needs and thrive under Florida's unique conditions – growing season, soils, temperatures, production practices, pests and diseases. A new variety is released when research shows that it has new and improved traits tested over multiple sites. The process may take 10-20 years and cost millions of dollars.

Licensing

UF/IFAS provides new plant varieties to growers through licensing agreements. In return, growers pay UF/IFAS royalties that are re-invested in the breeding program. The licensing agreements contain terms to prevent unauthorized production and distribution of the licensed plant varieties.

Invitation to Negotiate

UF/IFAS plant varieties are licensed on an exclusive or non-exclusive basis. Exclusive licenses begin with a public announcement called an Invitation to Negotiate (ITN). Companies responding to the ITN must demonstrate a production, commercialization, protection and marketing plan for the plant variety. A non-exclusive license is a license granted to multiple companies and does not require an ITN.

UF/IFAS Breeding Programs Are International

The viability of UF/IFAS breeding programs depends on the infusion of new traits such as disease resistance and drought tolerance via the international exchange of germplasm. A critical UF/IFAS goal is food security and to help feed the world as its population approaches 9 billion by 2050. U.S. agriculture is increasingly global – importing, exporting and producing crops abroad.

Licensing Internationally

Global agricultural companies are increasingly requesting international licenses for UF/IFAS plant varieties. UF/IFAS will grant an international license when the new variety fits a need, and a sound strategy for protecting the variety from unauthorized distribution is demonstrated. Once an international license is granted by UF/IFAS, a variety may take up to 5 years before it is produced commercially in that country. If varieties are not protected and licensed, they fall into the public domain in foreign countries.

CONTACTS

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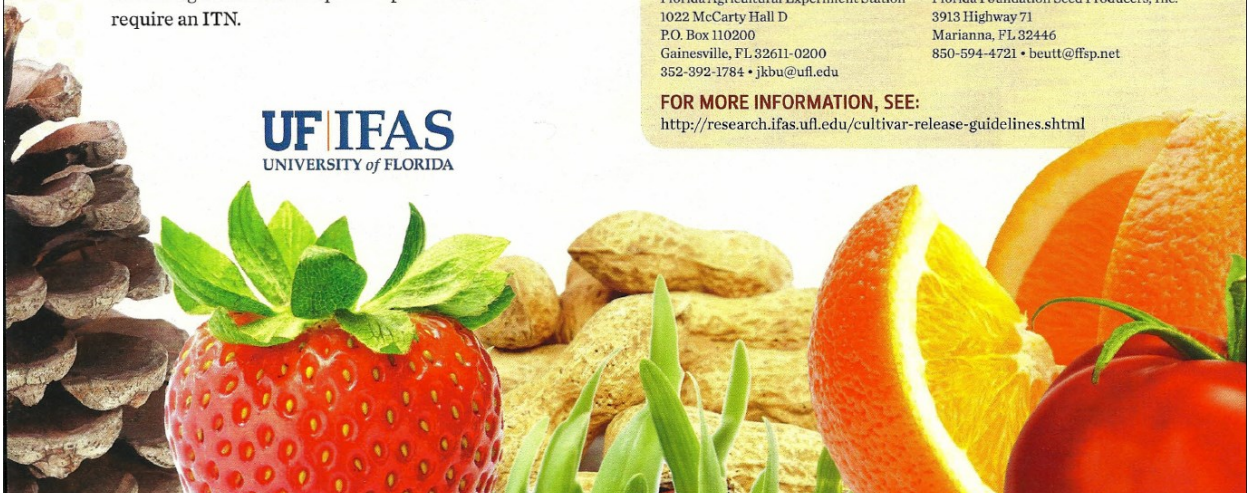
John Beuttenmuller

Executive Director
Florida Foundation Seed Producers, Inc.
3913 Highway 71
Marianna, FL 32446
850-594-4721 • beutt@ffsp.net

FOR MORE INFORMATION, SEE:

<http://research.ifas.ufl.edu/cultivar-release-guidelines.shtml>

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Next CHMA Coordinated Area Spray is Planned:



www.flchma.com

May 2015 Central Florida CHMA Coordinated Application Information

The schedule for the next coordinated Asian citrus psyllid spray application is as follows:

1. The **South Lake/West Orange County and Green Swamp CHMAs** will make a coordinated spray of an Organophosphate insecticide on **April 27 to May 3, 2015**.
2. Local citrus grower, Rex Clonts, is coordinating an aerial application of an Organophosphate insecticide (Malathion) in the **Conserv II area** during the next coordinated spray in the **South Lake/West Orange County and Green Swamp CHMAs**. Please contact Rex at wrclonts@yahoo.com for information about participating in the helicopter application.
3. The **Central Lake/North Orange County and North Lake/South Marion County CHMAs** will make a coordinated spray of an Organophosphate insecticide on **May 3 to May 10, 2015**.
4. Additional coordinated CHMA applications in 2015:
 - Approximately early August—Organophosphate
 - Approximately early November—Pyrethroid

Additional information on www.flchma.com

March Citrus Crop Estimate Drops Slightly



United States Department of Agriculture
National Agricultural Statistics Service

CITRUS MARCH FORECAST MATURITY TEST RESULTS AND FRUIT SIZE



Cooperating with the Florida Department of Agriculture and Consumer Services
2290 Lucien Way, Suite 300, Maitland, FL 32751-7057
(407) 648-6013 · (855) 271-9801 FAX · www.nass.usda.gov/fl

March 10, 2015

Florida All Orange Production Down 1 Percent
Florida Non-Valencia Orange Production Down 2 Percent
Florida Valencia Orange Production Unchanged
Florida All Grapefruit Production Unchanged
Florida All Tangerine Production Unchanged
Florida Tangelo Production Unchanged
Florida FCOJ Yield 1.55 Gallons per Box (42° Brix)

2014-2015 SEASON FORECAST DATES	
[Release time 12:00 p.m. EDT]	
April 9, 2015	May 12, 2015
June 10, 2015	July 10, 2015

Citrus Production by Type and State – United States

Crop and State	Production ¹			2014-2015 Forecasted Production ¹	
	2011-2012 (1,000 boxes)	2012-2013 (1,000 boxes)	2013-2014 (1,000 boxes)	February (1,000 boxes)	March (1,000 boxes)
Non-Valencia Oranges ²					
Florida	74,200	67,100	53,300	48,000	47,000
California ³	45,500	42,500	39,000	40,000	40,000
Texas ³	1,108	1,499	1,400	1,670	1,670
United States	120,808	111,099	93,700	89,670	88,670
Valencia Oranges					
Florida	72,500	66,500	51,300	55,000	55,000
California	12,500	12,000	11,000	10,000	10,000
Texas ³	311	289	376	345	345
United States	85,311	78,789	62,676	65,345	65,345
All Oranges					
Florida	146,700	133,600	104,600	103,000	102,000
California	58,000	54,500	50,000	50,000	50,000
Texas ³	1,419	1,788	1,776	2,015	2,015
United States	206,119	189,888	156,376	155,015	154,015
Grapefruit					
Florida-All	18,850	18,350	15,650	15,000	15,000
White	5,350	5,250	4,150	4,000	4,000
Colored	13,500	13,100	11,500	11,000	11,000
California ³	4,000	4,500	4,000	4,000	4,000
Texas ³	4,800	6,100	5,700	6,000	6,000
United States	27,650	28,950	25,350	25,000	25,000
Lemons					
California ³	20,500	21,000	19,000	20,000	20,000
Arizona ³	750	1,800	1,800	2,200	2,200
United States	21,250	22,800	20,800	22,200	22,200
Tangelos					
Florida	1,150	1,000	880	700	700
Tangerines					
Florida-All	4,290	3,280	2,900	2,500	2,500
Early ⁴	2,330	1,910	1,750	1,450	1,450
Honey	1,960	1,370	1,150	1,050	1,050
California ^{3,5}	10,800	13,000	14,500	15,500	15,500
Arizona ^{3,5}	200	200	200	220	220
United States	15,290	16,480	17,600	18,220	18,220

¹ Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California-80, Florida-85, Texas-80; lemons-80; tangelos-90; tangerines and mandarins in Arizona and California-80, Florida-95.

² Navel and miscellaneous varieties in California. Early (including Navel) and midseason varieties in Florida and Texas. Includes small quantities of tangerines in Texas and Temples in Florida.

³ Estimates carried forward from January forecast.

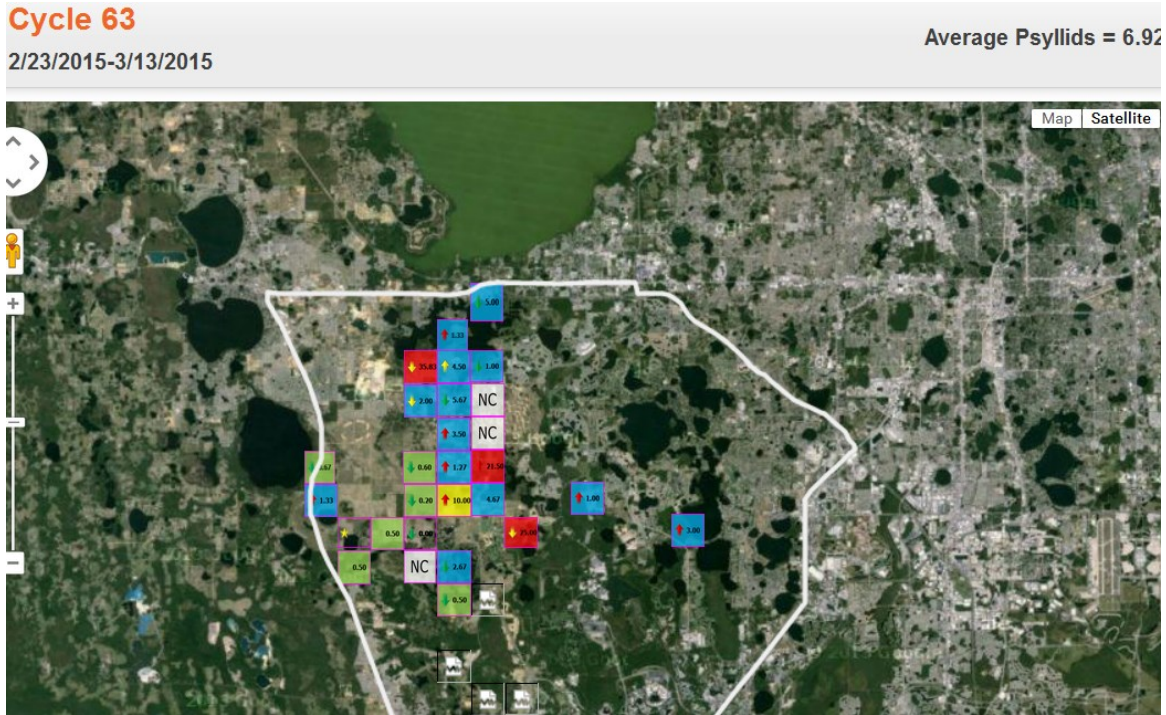
⁴ Fallglo and Sunburst varieties.

⁵ Includes mandarins, tangelos, and tangors.

CHMA Map of the Month

The map below is for the **South Lake West Orange CHMA** through March 13. Psyllid populations remain at moderate levels throughout. In depth interpretation of these results can be obtained by logging in to the CHMA Sectional Mapping Program on the CHMA Website Main Page:

<http://www.crec.ifas.ufl.edu/extension/chmas/index.shtml>



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