

Central Florida



and Fruit
Crops Update

July 2014

- **Upcoming Events**
- **Next CHMA Coordinated Spray is Planned**
- **Post Bloom Fruit Drop is Back**
- **Citrus Expo is Just Around the Corner**
- **Is an "El Niño" in the Cards for this Winter?**
- **Florida Small Farms and Alternative Enterprises Conference: "Embracing Opportunities, Boosting Profits"**
- **Pomegranates After 4 Years**
- **CHMA Map of the Month**

Upcoming Events

August 1-2 Florida Small Farms and Alternative Enterprises Conference at the Osceola Heritage Park in Kissimmee

August 13-14 Citrus Expo at the Lee County Civic Center in North Ft. Myers

August 21 Citrus Packinghouse Day at the Indian River Research and Education Center in Ft. Pierce

August 22 Florida Pomegranate Growers Association Meeting at McTeer Farms in Haines City

September 9 Central Florida Peach Growers "Round Table" Meeting at the Citrus Research and Education Center in Lake Alfred

October 7 Florida Blueberry Growers Association Fall Seminar at the Trinkle Center in Plant City

October 8 Certified Crop Advisor Seminar at the UF/IFAS Extension—Lake County Office in Tavares

October 14-16 Sunbelt Ag Expo in Moultrie, GA

October 23 CEU Day and Worker Protection Train the Trainer at the UF/IFAS Extension—Orange County Office in Orlando

October 31 Farm Safety Day at the UF/IFAS Extension—Lake County Office in Tavares

November 21 Citrus Growers Southwest Florida Field Trip

Next CHMA Coordinated Spray is Planned



www.flchma.com

August 2014 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 **July 28 to August 4, 2014.**
2. Local citrus grower, Rex Clonts, is coordinating an aerial application of an insecticide containing the active ingredient malathion 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 **August 4 to August 11, 2014.**
4. Additional coordinated CHMA applications in 2014:
 - Early November 2014—Pyrethroid

Additional information on www.flchma.com



Post Bloom Fruit Drop is Back

After little mention by growers for several years, post bloom fruit drop (PFD) has apparently reappeared. It is possible that the higher than normal rainfall during bloom in areas, especially west central and central Florida were a factor in the severity of the disease this year. Navel seemed to most affected, followed by Valencia and Hamlin. Dr. Megan Dewdney is conducting a survey about PFD in which all growers are encourage to participate by clicking here: [PFD Survey](#). This will be extremely important in assessing the problem and attaining solutions.

Citrus Expo is Just Around the Corner

For additional information please visit:
<http://www.citrusexpo.net/index.html>



From Roots to Fruit

Lee Civic Center
 North Ft. Myers, Florida



CITRUS EXPO DETAILS

Admission
 Registration in advance OR on site required for admission. Complimentary attendance and meals provided both days to bona fide grove owners and managers, citrus production managers, professional crop advisers, association representatives and board members and the citrus research community. Pre-registered growers are entered to win a John Deere gun safe sponsored by Everglades Farm Equipment.

Non-exhibiting companies and vendor personnel may purchase a one- or two-day admission pass for trade show, seminar and lunch. Visit www.CitrusExpo.net for details and group pricing.

Trade Show
 More than 170 citrus-related exhibits inside the air-conditioned Lee Civic Center arena plus outdoor displays. Doors open 8:00 a.m. both days.

Events and Prize Drawings
 Must be present to win. Some restrictions apply. Times and rules at prize drawing area and registration desk.

Meals at Trade Show
 Continental breakfast 7:00 to 9:30 a.m. Wednesday and 7:30 to 9:30 a.m. Thursday. Lunch 12:00 to 2:00 p.m. both days. Meal tickets distributed with name badges at check-in. Wednesday lunch - Grilled Chicken. Thursday - Stay for Steak.

HOTELS

Holiday Inn Fort Myers at Town Center
 Phone: 239-561-1550. Ask for the \$92 rate. Group Code CIT.

Hilton Garden Inn Fort Myers Airport/FGCU
 Phone: 239-210-7200. Ask for the \$92 Citrus Expo rate.

Courtyard by Marriott Fort Myers
 Phone: 239-332-4747. Ask for the \$109 Citrus Expo rate.

Homewood Suites by Hilton Fort Myers
 Phone: 239-210-7300. Ask for the \$99 Citrus Expo rate.

All hotels located off I-75, Exit 128

To reserve a room online or for more information, visit:
www.CitrusExpo.net/Lodging

From Roots to Fruit 23rd Annual Citrus Exposm Seminar Program

This year's seminar program offers a powerful prescription for growers to help keep their groves healthy and strong. Those attending the full program will be eligible to earn six CEUs.

To pre-register and for more information, visit www.CitrusExpo.net, call 352.671.1909 or e-mail CitrusExpo@SoutheastAgNet.com

WEDNESDAY, AUGUST 13 Morning Session (9:30 a.m.–noon)	WEDNESDAY, AUGUST 13 Afternoon Session (2:00 p.m.–4:00 p.m.)	THURSDAY, AUGUST 14 Morning Session (9:30 a.m.–noon)
FUNDING AGENCIES AND TRIAL UPDATES 9:30 Multi-agency coordination and shovel ready projects 9:50 U.S. Department of Agriculture-Specialty Crop Research Initiative research and funding priorities 10:10 Citrus Research and Development Foundation, Commercial Product Delivery Committee research trials INTENSIVE CITRUS MANAGEMENT STRATEGIES IN THE ERA OF HLB 10:30 Precision strategies for water and nutrient management 11:00 Citrus undercover production system update 11:25 Opportunities for disease and stress surveying Noon Lunch – Grilled Chicken	1:45 Cost share opportunities for precision nutrient and water management WHAT'S WORKING WELL OR WHY WE ARE REPLANTING WITH WIDESPREAD HLB 2:15 Introduction of Forum 2:20 Crews Grove 2:35 Southern Gardens 2:50 A. Duda & Sons, Inc. 3:05 Grower Panel THERMOTHERAPY POSSIBILITIES FOR HLB MANAGEMENT 3:15 Update on the second year of thermotherapy research 3:35 Automation of thermotherapy 3:45 Experience with thermotherapy in the grove	UPDATES ON PRODUCTION MANAGEMENT 9:30 Psyllid management, citrus bloom and pollinators: planning ahead for 2015 9:50 Postbloom Fruit Drop – A re-emerging scourge? ROOT HEALTH STRATEGIES WHILE LIVING WITH HLB 10:10 Biology of roots and timing of Las movement 10:35 Methods of root sampling and interpreting what we know 10:55 Managing <i>Diaprepes</i> root weevil damage 11:15 Water quality and irrigation scheduling in relation to HLB 11:40 HLB interactions with Phytophthora and root stress Noon Lunch – Stay for Steak

Citrus Exposm and Citrus Industry magazine wish to express appreciation to the following organizations for their collective program-planning input and promotional support: University of Florida • Gulf Citrus Growers Association, Inc. • Highlands County Citrus Growers • Indian River Citrus League • Peace River Valley Citrus Association • Citrus Research and Development Foundation

ATTENDEE PRIZES

John Deere gun safe sponsored by Everglades Farm Equipment
 • Only pre-registered growers are eligible.
 • Drawing at noon, August 13.
 • Visit Everglades Farm Equipment booths 300 and 301.
 • Must be present to win.

Donate to the Florida FFA for your chance to win a Yeti Tundra 65 Cooler.

Cooler comes loaded with a hand-picked selection of grilling tools and accessories.

Sponsored by AgNet MEDIA

• Tickets are \$10 each or 6 for \$50.
 • All Citrus Expo attendees are eligible.
 • Drawing at 2:00 p.m., August 14.
 • Must be present to win.

All proceeds awarded to Florida FFA.

Citrus-themed Painting Giveaway

Donated by Kelvin Hair Second-Generation Highwaymen

GULF CITRUS INDUSTRY BANQUET

August 13
 Reception: 5:30 p.m.
 Dinner Social: 6:30 p.m.
 Harborside Event Center, Downtown Fort Myers
 Contact: 239-690-0281

PREMIER SPONSORS

EXHIBITORS

- 1st EnviroSafety, Inc. • Advanced Drainage Systems
- Ag Technologies, LLC • Ag-Traic, Inc. • AgPlores • Artec Sprayers, Inc.
- Albaugh, Inc. • Alltech Crop Science • American Ag Products Co.
- American Travel Partners • Amiad Water Systems • Application Dynamics
- AguaCheck • Avanti Company • Bayer CropScience • BB Hobbs Co.
- Beer Lawling and Land Development • Bio S.I. Technology, LLC
- BioSafe Systems • Blue Heron Nurseries • Bowsmith, Inc.
- Brewer International • Calusa Certified Marine • Carden and Associates, Inc.
- CenterState Bank of Florida • CDB Agricultural Services • Chapp, Inc.
- Chemical Containers, Inc. • Chemical Dynamics, Inc. • Chaminova
- Chemtura AgSolutions • Coast Pump Water Technologies
- Coldwell Banker Commercial Saunders Real Estate
- Collier Soil and Conservation District • Cooner Mfg., LLC
- Cree Tractor Company • Garber of Florida, Inc. • Custom Agromechs, Inc.
- Darryl's Family Citrus Nursery • Davis Supply, Inc. • Diamond R Fertilizer
- Dow AgroSciences • DuPont Crop Protection • Durand Wayland, Inc.
- Engine Distributors • EnviroLogic, Inc. • Everglades Farm Equipment
- Evrens • Farm Credit • Field Drainage, Inc. • Fleet Products
- Florida Agricultural Aviation Association • Florida Agricultural Statistics
- Florida Automated Weather Network • Florida Citrus Hall of Fame
- Florida Citrus Mutual • Florida Coast Equipment
- Florida Department of Agriculture • Florida Department of Citrus
- Florida Forest Service • Florida Grove Manufacturing, LLC • Flo-Tec, Inc.
- FMC Corporation • Fred Juliano Enterprises, Inc. • G.P. Solutions
- GenAg Solutions • Gillson's Variety Fabrications • Gade and Grove Supply Co.
- Gowen Company • Grass Manufacturing • Green Acres Fertilizer
- Gulf Citrus Companies • H.J. Baker and Bro., Inc. • Tiger-Sul Products
- HZA Complete II, Inc. • Haifa North America • Helena Chemical Co.
- Holmberg Citrus Nursery • Horticultural Alliance, Inc.
- Howard Fertilizer and Chemical Company • Innovative Packaging Solutions
- ISCA Technologies • Island Grove Ag Products • Jain Irrigation
- Kelly Tractor Co. • Kelvin Hair, Second-Generation Highwaymen • KeyPlex
- Labor Solutions, Inc. • Lake Placid Carabelles, Inc. • Magna-Bon II, LLC
- Magnolite Ceramic Spray Nozzles • Marone Bio Innovations
- Masty Engine Center • Maxjet • Metal Culverts, Inc.
- Mike Hurst Citrus Service, Inc. • Netfarm USA • Newton Crouch, Inc.
- Nichino America, Inc. • Novozymes Bio, Inc.
- Nutri-Source, Inc. • ORO AGRI, Inc. • Pathway Biologic
- Peace River Valley Citrus Growers Assoc. • Phillip Rucks Citrus Nursery
- Plant Food Systems, Inc. • Plant Power Products • Plant's Choice
- PNC Bank • Preferred Source • Protek Software • ProPlus Products, Inc.
- Protek • Pumpkin, Inc. • Quest Products • Redox Chemicals, LLC
- Rotam North America • Signature Staffing, Inc. • Southern Gardens Citrus
- Spectrum Technologies, Inc. • Stallings Crop Insurance
- Steele Truck Center, Inc. • SolusUSA • Syngenta International Crop Protection
- Tampa Brush LLC • Tesserferlo Kerley • The Andersons, Inc.
- The Dumont Company • TMAC Agro USA • Toro Micro-Irrigation
- Tradewinds Power Corp. • Tree T-Free, LLC • Triple M Equipment
- Tropicana Products, Inc. • TWC Distributors, Inc.
- UI/IFAS Canker and Greening Exhibit
- UI/IFAS Mechanical Harvesting (SWFREC) • United Irrigation Supply, Inc.
- USAg Recycling, Inc. • USDA CIPF • United USA Corporation • Vigron
- Vortex Granular Systems, LLC • Wallace International Trucks, Inc.
- Water and Earth Sciences and Decagon Devices
- Water Agricultural Laboratories, Inc. • Woodworth's, Inc.
- Wellmark International • Wells Fargo • Wire Products, Inc. of Florida

Is there an “El Niño” in the Cards for This Winter?

The latest forecast from on the National Oceanic and Atmospheric Administration (NOAA) Website indicates that the National Weather Service (NWS) Climate Prediction Center is calling for a 70% probability for an El Niño climate phase being initiated during the remainder of the summer with an increased chance of 80% for the fall and early winter. The proper terminology for this climatological phenomenon is El Niño Southern Oscillation (ENSO). ENSO is climatological conditions in the continental US that tend to be closely correlated with elevated ocean temperatures in the equatorial region of the southern Pacific.

The main climatological events affecting Florida and the southeastern United States during and ENSO are cooler temperatures and increased precipitation. At this time the NWS Forecast for this particular ENSO cycle is calling for it to peak as a weak to moderate event during the late fall into early winter. Those that remember the ENSO of early 1998, recall that precipitation was very heavy and temperatures were cool, with few freeze events. The early 1998 ENSO was referred to as a record breaker, including a ranking as the wettest weather for the same period over a 103 year time frame in the southeast. A recap of that event is available at: <http://www1.ncdc.noaa.gov/pub/data/techrpts/tr9802/tr9802.pdf>

At least at this time, we should not anticipate such extreme weather conditions but we can probably expect it to be wetter and cooler than normal. What does this mean for fruit crop development in central Florida? We will have to see ENSO affects citrus flower bud induction. Higher rainfall than normal during citrus bloom could also worsen the effects of post bloom fruit drop. For blueberries and peaches, there could be some good and bad outcomes. Some good aspects of ENSO are the probability of cooler weather during the dormant period to meet chill requirements and the lower probability of devastating freezes during the period. Some potential bad effects related to ENSO conditions for these crops could be cooler than normal temperatures extending into the early spring and slowing crop development and the combination of cool temperatures and excessive rainfall affecting pollination. The good news is that the forecast is indicating climatological conditions related to ENSO only lasting for a brief period into the new year. Perhaps we will have the best of both worlds, with adequate chilling during ENSO and normal temperatures and rainfall as citrus, blueberry and peach crops enter the bloom.

The best resource for staying up to date with climatological indices is the AgroClimate Website: <http://agroclimate.org/>

Florida Small Farms and Alternative Enterprises Conference: "Embracing Opportunities, Boosting Profits"



August 1-2, 2014 Kissimmee, FL
Embracing Opportunities, Boosting Profits

*Embrace opportunities and boost profits by attending the
6th Annual Florida Small Farms and Alternative Enterprises Conference
On August 1-2, 2014*

Early Registration Deadline: July 14, 2014

Gainesville, FL: The University of Florida's (UF) Institute of Food and Agricultural Sciences (IFAS) and Florida A&M University's (FAMU) Small Farms and Alternative Enterprises Focus Team are pleased to announce that the sixth annual **Florida Small Farms and Alternative Enterprises Conference** will be held in Kissimmee, Florida August 1-2.

Through educational sessions led by farmers, industry experts and noted researchers from Florida and across the nation, the annual **Florida Small Farms and Alternative Enterprises Conference** provides opportunities for attendees to learn about groundbreaking research and access educational support on a range of important topics for organic and conventional specialty crops (fruits and vegetables), livestock, and greenhouse hydroponic systems.

Our goal is to provide interactive programming that puts new tools and information in your pocket for your immediate use on farm in a fun and relaxed atmosphere. Some of this year's sessions include:

- Managing a Successful Online Market
- Alternative Fruit Production
- Postharvest Handling and Cooling of Specialty Crops
- Hydroponic Nutrient Management for the South
- Transitioning to USDA Organic Certification: The Benefits, Challenges, and Processes
- What's Bugging You? Identifying Insects and Diseases
- Safe Handling of Dressed Poultry
- Weed Identification and Management
- Develop and Implement a Fertility Plan in Certified Organic & Sustainable Vegetable Systems and Soil Health for the Tropics/Subtropics
- Handling Beef Cattle: How to Work Cows Properly
- From Hobby Farm to a Profitable Florida Goat Industry And many more!

This year's conference also includes:

- Optional Pre-Conference Tours: Urban Farming (Full), Farm to Chef Tours (limited availability) and Livestock Tour Innovative Farmer Awards
- Signature Luncheon - Florida's Finest: A Celebration of Local Food
- Educational Posters
- Large Exhibition Showcasing Products and Technologies
- A new hydroponic and urban agriculture exhibition area named "The Extension Learning Zone"
- Networking Opportunities



Check out the agenda, session descriptions and register online at

www.conference.ifas.ufl.edu/smallfarms

For more information on this year's Conference,
contact Mandv Stage, Conference Coordinator, or contact Iose Perez at 352-294-1692

<https://www.facebook.com/FL.SFAEC>



Pomegranates After 4 Years



Pomegranates After 4 Years

At the

McTeer Farms, Inc.

3901 Hatchineha Road, Haines City, FL 33844

10:30am - 3:00pm ---- August 22, 2014

The **Florida Pomegranate Association** invites you to attend “*Pomegranates After 4 Years*” at the McTeer Farms Friday August 22, 2014. McTeers' pomegranate field will be open to the public 10:30am – 12:00pm. Pomegranate grower Emory McTeer will be onsite to talk to you about his 40 varieties of pomegranates, and how he cares for them.

Dr. Bill Castle as well as staff members from GCREC will be available to answer questions.

If you are interested in pomegranate growing, this is a must attend event.

Lunch will be served at **Floridino's** in Lake Hamilton starting at 12:30pm-3:00pm. Growers can mingle and meet with other pomegranate growers and learn from each other.

Floridino's, 29400 US Hwy 27, Lake Hamilton, FL 33851

The drive from McTeer Farms to Floridino's Restaurant is approx. 8 minutes (4 miles)

Registration



FPA Member \$15.00

Guest \$20.00

On line registration is available at:

www.FPA2014fieldday.eventbrite.com

If you would like to pay by check please fill out the Registration Form below.

Send form and check, payable to **Florida Pomegranate Association**, to:

FPA, 6360 Johnston Rd, Zolfo Springs, FL 33890

(Continued)



Registration Form

Pomegranates After 4 Years

Send to: FPA, 6360 Johnston Rd., Zolfo Springs, FL 33890

NAME OF ATTENDEE(S) _____

COMPANY AFFILIATION _____

EMAIL ADDRESS _____

TELEPHONE No _____

MAILING ADDRESS _____

Number of **MEMBER TICKET(S)** purchasing @ \$15.00

1 OR 2 Total Member(s) \$ _____

Number of **GUEST TICKET(S)** purchasing @ \$20.00

1 2 3 4 5 Other _____ Total Guest \$ _____

TOTAL ENCLOSED \$ _____

Checks **payable to:** Florida Pomegranate Association

Send payment to:

FPA, 6360 Johnston Road, Zolfo Springs, FL 33890

Have a question or need more information Contact:

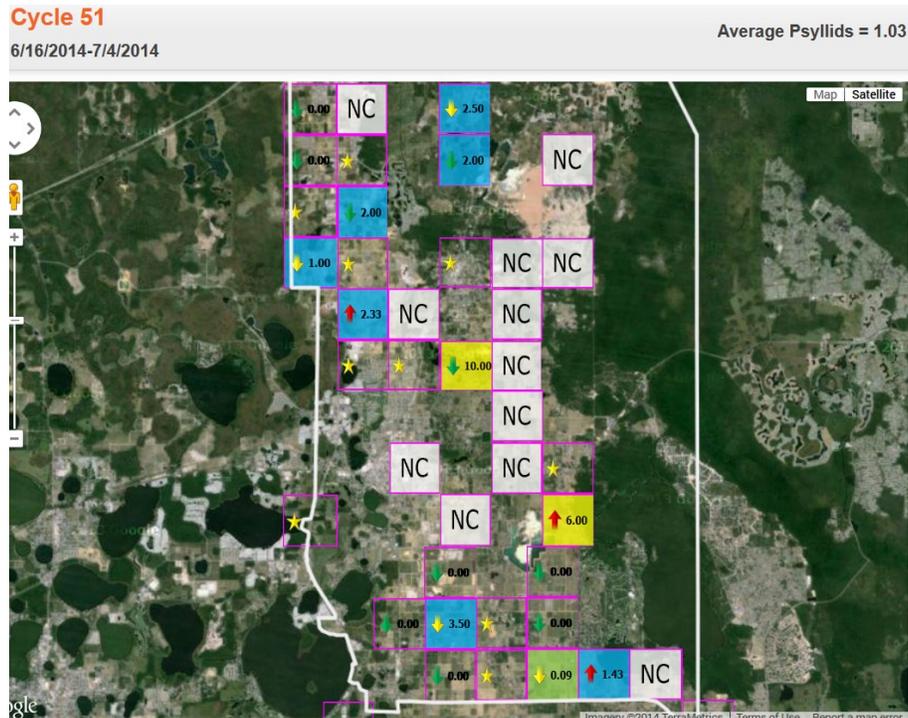
flpomegranate@gmail.com

863-604-3778 - Cindy Weinstein

CHMA Map of the Month

The map below is for the **Northeast Polk CHMA** through July 4. This CHMA is just to the south but has groves with similar urban interface as our area and is apparently doing a good job of psyllid management. 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>



The miracles of science™



www.KeyPlex.com

Ryan Atwood

P.O. Box 2515
Winter Park, Florida 32790
111 S. Knowles Ave., Suite 202
Winter Park, Florida 32789
O: 407-682-6500
F: 407-682-6504
C: 352-267-3229
E-mail: ryan@keyplex.com

Interested in Sponsoring Central Florida Citruslines and Fruit Crops Update?

- Space available
- Minimum 6 issues per year



Information
Gary England
gke@ufl.edu
(352) 343-4101
Ext. 2729



Central Florida Citruslines and Fruit Crops Update is published 6 times a year by the Central Florida Fruit Crops Advisory Committee and Central Florida Fruit Crops Extension Program:
Gary K. England—Multi-county Extension Agent III gke@ufl.edu (352) 343-4101 Ext. 2729

COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF FLORIDA, INSTITUTE OF FOOD AND AGRICULTURAL SCIENCES, Dr. Nick Place, Director, in cooperation with the United States Department of Agriculture, publishes this information to further the purpose of the May 8 and June 30, 1914 Acts of Congress; and is authorized to provide research, educational information, and other services only to individuals and institutions that function with non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, marital status, national origin, political opinions, or affiliations. Single copies of extension publications (excluding 4-H and youth publications) are available free to Florida residents from county extension offices. Information about alternate formats is available from IFAS Communication Services, University of Florida, PO Box 110810, Gainesville, FL 32611-0810.