



November 25, 2019

Welcome to SWFREC Update E-news! This newsletter is distributed biweekly and contains news about the center and its faculty and staff, program research updates, and upcoming events.

**Web site:** <https://swfrec.ifas.ufl.edu/>

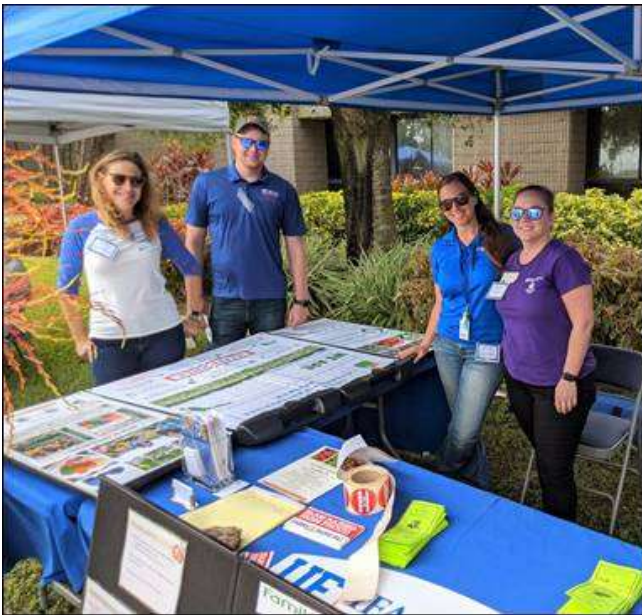
**Social media:**  

### **Open House Draws Growers, Community**

More than 250 people participated in the November 14 SWFREC Open House! They enjoyed narrated tours aboard tractor-led trolleys of our vegetable fields and citrus grove, up-close looks at research being conducted in our laboratories, science demonstrations designed by lab technicians and graduate students, and booths manned by UF/IFAS Extension personnel and other outreach groups from throughout southwest Florida. And a fantastic barbecue lunch served up by Gator Hammock catering of Felda was icing on the cake. All attendees gladly went home with a bag of fresh produce.

The open house would not have been such a success without the generosity of numerous sponsors. Gold sponsor was Kennco Manufacturing, Inc.; silver sponsors were Creel Tractor Company, Everglades Farm Equipment, Glade & Grove Supply Company, and Yara International; and bronze sponsors were Gator Hammock, Collier County Farm Bureau, Hendry-Glades Farm Bureau, Lipman Family Farms, Triest Ag Group, Inc., Valent USA LLC, and Wedgworth's Inc. In-kind sponsors who donated products included: Barnett-Partin Plants, Inc., Chapman Fruit Company, Inc., Cooperative Producers, Inc./Florida's Natural, C & B Farms, Inc., Duda Farm Fresh, Farmers Alliance, Florida Specialties, LLC, Gargiulo, Hanshaw Packing, Lipman Family Farms, Mobley Plant World, LLC, Oakes Farms, Tellus, and TransGro. Thank you for your great support!

Laura Layden with the Naples Daily News covered the open house. Her article and photos can be seen here: <https://www.naplesnews.com/story/money/business/local/2019/11/14/swfl-research-and-education-center-shows-itself-off-immokalee-grower/2576045001/>.

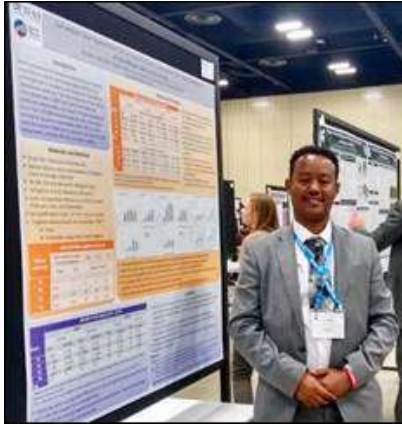




### **SWFREC Well Represented at San Antonio Conference**

Several faculty and graduate students participated in the International Annual Meeting of the American Society of Agronomy, the Crop Science Society of America, and the Soil Science Society of America in San Antonio this month:

- Soil microbiologist Dr. Sarah Strauss made the presentation **“Impact and Evaluation of Biostimulants in Specialty Crop Production.”** She is fourth author; former postdoctoral research associate Andrea Nuzzo, postdoctoral research associate Aditi Satpute, and plant physiologist Dr. Ute Albrecht are first, second, and third authors, respectively.
- Ph.D. student Timothy Ayankojo took third place in the “Graduate Student Poster” category. The title of his poster was **“Tomato Response to Increasing Ambient Temperature: A Simulated Approach.”** He also presented **“Is Critical Tomato N Requirement below 224 Kg ha<sup>-1</sup>?”** He is first author of both and soil scientist Dr. Kelly Morgan is second author.
- Ph.D. student Clayton Nevins is first author of and presented **“Effect of Biological Soil Crusts on Plant-Available Nitrogen and the Soil Microbiome in Florida Citrus Agroecosystems”** in the “Graduate Student Oral Presentation” category. Dr. Strauss is third author.
- Master’s student David Toole is first author of and made the oral presentation **“Picrust Vs Tax4Fun: A Comparison of Functional Prediction Tools Applied to Southwest Florida Soil Bacteria.”** Dr. Strauss is second author.
- Post-doctoral research associate Dr. Ali Atta is first author of and presented the poster **“Soil and/or Foliar Applied Nutrition on Nutrient Concentration, Root Growth, and Soil pH of HLB Affected Valencia Citrus Trees.”** Soil scientist Dr. Kelly Morgan, postdoctoral research associate Dr. Said Hamido, and lab manager Dr. Kamal Mahmoud are second, third, and fifth authors, respectively.



### Peer-Reviewed Article

#### **“Glyphosate: Its Environmental Persistence and Impact on Crop Health and Nutrition”**

appears in the journal *Plants* (volume 8, number 11, p. 499). Weed scientist Dr. Ramdas Kanissery, master’s student Biwek Gairhe, citrus pathologist Dr. Ozgur Batuman, and citrus horticulturist Dr. Fernando Alferez are first, second, fourth, and fifth authors, respectively. To see the full article, click here: <https://www.mdpi.com/2223-7747/8/11/499>.

### Extension Publications

The following articles were recently published on the UF/IFAS Electronic Data Information Source web site ([www.edis.ifas.ufl.edu](http://www.edis.ifas.ufl.edu)):

- **“Postflight Data Processing Instructions on the Use of Unmanned Aerial Vehicles (UAVs) for Agricultural Applications.”** Engineer Sri Kakarla and precision ag engineer Dr. Yiannis Ampatzidis are first and second authors respectively. To read the full article, click here: <http://edis.ifas.ufl.edu/pdffiles/AE/AE53300.pdf>.
- **“Citrus Nursery Production Guide, Chapter 8: Stock Plant and Tree Production: c) Weed Management in Citrus Nurseries.”**<sup>1</sup> Master’s student Biwek Gairhe and weed scientist Dr. Ramdas Kanissery are first and second authors respectively. To read the full article, click here: <http://edis.ifas.ufl.edu/pdffiles/HS/HS134400.pdf>.

### Trade Journal Publication

**“Psyllid Management: Organic and Conventional Systems”** appears online in *Citrus Industry News*. The article is authored by entomologist Dr. Jawwad Qureshi. To read the story, click here: [citrusindustry.net/2019/11/13/psyllid-management-organic-and-conventional-systems/](http://citrusindustry.net/2019/11/13/psyllid-management-organic-and-conventional-systems/).



## **Operation Clean Sweep**

The Florida Department of Environmental Protection and the Florida Department of Agriculture and Consumer Services announces the 2019-2020 Operation Clean Sweep program, a mobile pesticide collection effort that provides a safe way to dispose of cancelled, suspended, and unusable pesticides. The free service is available to farms/groves, greenhouses, nurseries, golf courses, and pest control entities. For more information, including how to sign up, click here: <https://floridadep.gov/waste/permitting-compliance-assistance/content/operation-cleansweep-pesticides>.

## **Upcoming Events:**

**December 16, 2019, 1:00-3:00pm**

### **Discussion of Local Agriculture Issues with Legislators**

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For agenda and registration information, click here:

<https://swfrec.ifas.ufl.edu/docs/pdf/events-agendas/2019-12-16-Legislative-Meeting-Flyer.pdf>.

**December 17, 2019, 10am-1:00pm**

### **Citrus Squeezer: CUPS, Mini-CUPS, and Other Strategies to Manage HLB**

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Citrus horticulturist Dr. Fernando Alferez will present “**Individual Protective Covers (IPCs), Mini-CUPS**” and entomologist Dr. Jawwad Qureshi will present “**Citrus Pest Management in Open and Protected Systems.**” For a complete agenda and RSVP information, click here: [https://swfrec.ifas.ufl.edu/docs/pdf/events-agendas/2019-12-17-Citrus\\_Squeezer-Agenda.pdf](https://swfrec.ifas.ufl.edu/docs/pdf/events-agendas/2019-12-17-Citrus_Squeezer-Agenda.pdf).

**February 5, 2020, 8:30am-4:30pm**

### **Certified Pile Burner Course**

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Limited to fifty participants. Cost: \$50.00. For registration information and detailed agenda, click here: [https://swfrec.ifas.ufl.edu/docs/pdf/events-agendas/2020-02-05-Certified-Pile\\_Burner\\_Class-Info.pdf](https://swfrec.ifas.ufl.edu/docs/pdf/events-agendas/2020-02-05-Certified-Pile_Burner_Class-Info.pdf).

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