



December 13, 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:  

Ag Legislative Discussion Set for December 16!

The Second Annual SWFREC Discussion of Local Ag Issues with Legislators is set for this Monday from 1:00-3:00pm! Scheduled to participate are Senator Ben Albritton, Representative Bob Rommel, and Representative Byron Donalds.

Presentations will include:

- **“Success of Best Management Practices Program in the Everglades Agricultural Area”**—Dr. Samira Daroub, professor of soil and water sciences, UF/IFAS Everglades Research and Education Center, Belle Glade.
- **“Payment for Water Storage and Treatment Services in the Northern Everglades”**—Dr. Sanjay Shukla, professor of agricultural and biological engineering, SWFREC.
- **“Next Step in BMP Research and Implementation”**—Christopher Pettit, director, Office of Agricultural Water Policy, Florida Department of Agriculture and Consumer Services, Tallahassee.

A panel discussion and question-and-answer period led by southwest Florida growers and a discussion led by legislators will round out the program.

To RSVP, contact Jennifer at 239-658-3400 or jderleth@ufl.edu.

Graduate Student Presents at Meeting

Ph.D. student Moonwon Soh presented **“Factors Affecting the Adoption of Multiple Best Management Practices in Florida”** at the 89th Annual Meetings of the Southern Economics Association last month in Fort Lauderdale. His committee chair is SWFREC natural resource economist Dr. Tara Wade. Moonwon’s talk was included in the conference’s Topics in Environmental and Energy Economics section.



SWFREC Represented at Entomology Meeting

Several faculty and graduate students participated in the Annual Meeting of the Entomological Society of America last month in Saint Louis, Missouri. The following presentations were given:

- **“Developing Integrated Management of Asian Citrus Psyllid (*Diaphorina citri*) Vector of Huanglongbing”** (entomologist Dr. Jawwad Qureshi author).
- **“Release and Evaluation of *Tamarixia radiata* for Managing Asian Citrus Psyllid in Commercial Citrus”** (Dr. Qureshi author).
- **“Diversity and Abundance of Predacious Mites in Citrus Under Protective Screen (CUPS)”** (Ph.D. student Emilie Demard, Dr. Qureshi, authors).
- **“Predation Preference of *Curinus coeruleus* (Mulsant) on Florida Red Scale (*FRS*) *Chrysomphalus aonidum* (L.)”** (postdoctoral associate Salman Al-Shami and Dr. Qureshi authors).
- **“Foliage Consumption and Growth of *Spodoptera latifascia* (Lepidoptera: Noctuidae) on Different Citrus Cultivars”** (Postdoctoral associate Esmaeil Saberi, graduate student Mohamed Ali, citrus horticulturist Fernando Alferez, and Dr. Qureshi authors).
- **“Compatibility of Entomopathogenic Fungus, *Isaria fumosorosea* with *Curinus coeruleus* for Biological Control of the Florida Red Scale under Laboratory Conditions”** (visiting scholar Jessamyn Adorada and Dr. Qureshi authors).

Demard received first place for her presentation in the student competition as part of the Acarology Society of America meeting. She also earned first place in the best abstract competition.



Qureshi, Demard

Podcast Features Precision Ag Research

The December 9 edition of Citrus Industry News online features information about precision ag engineer Dr. Yiannis Ampatzidis' drone research. The UF/IFAS All in for Citrus Podcast titled **"UF Researchers Study Drone Use in Citrus"** can be viewed here:

<http://citrusindustry.net/2019/12/06/uf-researchers-study-drone-use-in-citrus/>.

Extension Publication

The following article was recently published on the UF/IFAS Electronic Data Information Source web site (www.edis.ifas.ufl.edu):

- **"Preflight and Flight Instructions on the Use of Unmanned Aerial Vehicles (UAVs) for Agricultural Applications."** Engineer Sri Kakarla, engineer Leon Nunes, and precision ag engineer Dr. Yiannis Ampatzidis are first, second, and third authors respectively. To read the full article, click here: <https://edis.ifas.ufl.edu/ae535>.

Trade Journal Publications

Two articles authored by SWFREC faculty appear in the December 2019 issue of Citrus Industry magazine: **"Food Safety Marathon: Keeping Up with the Produce Safety Rule"** (food safety extension specialist Matt Krug is second author) and **"Citrus Shipping Costs and Concerns"** (natural resource economist Dr. Tara Wade is author). To see the full articles, click here: <http://www.mirabelsmagazinecentral.com/DigitalEdition/index.html?id=1049fa7d-b7d5-4779-816f-bf815977abf6>.

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

SWFREC

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>.

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>.

