

## 2016-17 In-Service Training Proposal

### Title:

Florida State Horticultural Society In-service Training and Application of New Technologies for Improved Management Strategies for Horticultural and Agronomic Crops

Contacts: Josh Freeman, Vegetable Specialist; Michael J. Mulvaney, Cropping Systems Specialist; Crystal Snodgrass, Manatee Co. Extension; Alicia Whidden, Hillsborough Co. Extension. Steve Sargent, Group Leader, Initiative I: Plant Systems sub-group.

The objectives of the in-service training are:

1. Describe the above critical issues that negatively affect viability and competitiveness of horticultural and agronomic crops.
2. Discuss the latest techniques being employed and advances being made to address these issues.

### Location:

Westin Tampa Harbour Island  
725 South Harbour Island Blvd  
Tampa, FL 33602

### Agenda:

June 6, 2017

Time	Topic	Speaker
12:30	Lunch	Dr. Nick Place
1:30	Welcome and pretest (15 min)	Freeman/Mulvaney
1:45	Technology to improve irrigation management (45 min)	Wes Porter, UGA
2:15	Automated irrigation scheduling based on EC (45 min)	Charles Barrett, UFL
3:00	Break (15min)	
3:15	Using drones for row crop production – what can and can't we do yet? (45 min)	Christian Brodbeck, Auburn University
4:00	Using drones for disease scouting vegetables – Where does the technology stand? (45 min)	Matthews Paret, Jnaneshwar Das
4:45	Sensors and data use (45 min)	Daniel Lee
5:30	Post-test and adjourn	Snodgrass/Whidden

**Maximum Number of Participants:** 50 people

**How will participants pay for their travel and expense?** UF/IFAS funds (State)

**Intended audience:**

The intended audience is county and regional faculty whose clientele grow, harvest and market agronomic and horticultural crops.

**Instructor(s):** Experts in new agricultural technologies have already provided positive feedback related to the relevancy of this program and willingness to participate.

**Type of Training:**

Traditional In-Service Training, as an add-on to a conference

**Session 1**

Title: Florida State Horticultural Society Meeting General Sessions

No. of Hours of Instruction: 15 hr.

Location of Session: Tampa, FL

Start Date: June 4, 2017, afternoon

End Date: June 6, 2017, noon

**Session 2**

Title: Application of New Technologies for Improved Management Strategies for Horticultural and Agronomic Crops

No. of Hours of Instruction: 4 hr.

Start Date: June 6, 2017, noon

End Date: June 6, 2017, 5:30 PM

**Faculty leads:**

**Name:** Josh Freeman, Michael J. Mulvaney

**Telephone:** 352-273-4771, 850-382-5221

**E-mail:** [joshuafr@ufl.edu](mailto:joshuafr@ufl.edu); [m.mulvaney@ufl.edu](mailto:m.mulvaney@ufl.edu)

**Primary Initiative:** Agriculture/Horticulture

**Appropriate priority work group:**

Plant Systems; Food Systems. This would also be of interest to county and state faculty in the IPM subgroup and in Initiative II – Water and Initiative III – Natural Resources.