



# Plant Health On The Go!

*A workshop presented by  
University of Florida IFAS Extension and FNGLA.*

**Tuesday, Dec 3, 2019**

10:00 am to 3:15 pm

Mid-Florida Research and Education Center

2725 S Binion Rd, Apopka, FL 32703

*See full program  
on back!*

*Manage plant health in nursery and  
edible crops in protected environments  
(greenhouses, nurseries, high tunnels, and indoors).*

**Program & Registration  
Information**  
[www.fn gla.org](http://www.fn gla.org)

# Plant Health On The Go!

*Agenda*  
Tuesday, Dec 3, 2019

9:15 a.m.  
**Registration (Auditorium)**

10:00 - 10:50 a.m.  
**Biological Control of Pests**

*Lance Osborne, MREC*  
Select and identify biological control agents for key pests. Learn practical issues of using biocontrol and alternative resources.

10:50 - 11:05 a.m.  
**Research Poster presentation including Heat Tolerance and Breeding**  
*Alfred Huo, MREC*

11:05 - 11:55 a.m.  
**Disease Management in Protected Production Systems**  
*Carrie Harmon, UF Gainesville*  
Learn practical chemical and cultural management options for ornamental and edible crops

12:00 - 12:50 p.m.  
**Lunch (Provided)**

12:50 - 3:00 p.m.  
**Tour of the Research and Education Center**  
Hands-on demonstration stations (20 mins per station)

- Manage weeds: non-chemical weed management practices, herbicide rotations, and granular application techniques (Chris Marble)
- Provide oxygen to your roots: Dissolved oxygen and air porosity in hydroponics and containers (Paul Fisher)
- Monitor your pests and biocontrols (Lance Osborne)
- Diagnose diseases with smart phone microscopes (Carrie Harmon)
- Choose the right light: LED tips and light effects for indoor and greenhouse growing (Celina Gómez)

3:00 to 3:15 p.m.  
**Wrap up and finish (Auditorium)**



Fisher



Gomez



Harmon



Huo



Marble



Osborne

*Meet Our Presenters*

**Dr. Paul R. Fisher**  
*Professor and Extension Specialist - Floriculture*  
Dr. Fisher manages two university/industry groups to undertake applied research and grower training for greenhouse floriculture production and water conservation. He specializes in root zone management (water, substrates, and fertilizer).

**Dr. Celina Gómez**  
*Assistant Professor - Controlled Environment Horticulture*  
Dr. Gómez develops solution-based technologies to help optimize controlled environment production systems including greenhouses and indoor growing. She is an expert in controlling the light quantity and spectrum using LEDs.

**Dr. Carrie Harmon**  
*Extension Specialist and Director of the Plant Diagnostic Center*  
Dr. Harmon focuses on plant disease detection and diagnosis. She undertakes research on diagnostic method improvement and validation, and has an extension program built around the Plant Diagnostic Center.

**Dr. Alfred Huo, MREC**  
*Assistant Professor - Plant Breeding*  
Dr. Huo is an assistant professor. His research focuses on breeding nursery plants and vegetables using biotechnology such as CRISPR.

**Dr. Chris Marble, MREC**  
*Assistant Professor - Ornamental & Landscape Weed Management*  
Dr. Marble's research priority is to improve upon current weed control practices and develop new methods of weed control using an integrated approach that combines both chemical and non-chemical management strategies.

**Dr. Lance Osborne, MREC**  
*Professor - Entomology*  
Dr. Osborne is nationally recognized for his expertise on biological control of greenhouse pests, and often provides practical advice to growers on integrated pest management.

**Register Today!**  
[www.fn gla.org](http://www.fn gla.org)

**\$70 FNGLA member rate, includes lunch**  
**\$90 non-member, includes lunch**

If you enrolled in a Greenhouse Training Online course offered through the University of Florida IFAS Extension in 2019 (see [hort.ifas.ufl.edu/training](http://hort.ifas.ufl.edu/training)), you may be eligible for a 20% discount on FNGLA's Plant Health On The Go workshop.

**For more information: Contact Linda Reindl, FNGLA, [lreindl@fn gla.org](mailto:lreindl@fn gla.org) and Paul Fisher, University of Florida IFAS Extension, [pfisher@ufl.edu](mailto:pfisher@ufl.edu).**

# 2019 FNGLA Plant Health on the Go Registration - December 3, 2019

Company/Firm Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone \_\_\_\_\_

Held at Mid Florida Research and Education Center  
 2725 S Binion Rd, Apopka, FL 32703 Apopka FL  
 10 am to 3:15 pm

		TOTAL
<b>ATTENDEES NAME/EMAIL</b>		
NAME: Email :	<input type="checkbox"/> \$70 fngla member <input type="checkbox"/> \$90 non-member	
NAME: Email :	<input type="checkbox"/> \$70 fngla member <input type="checkbox"/> \$90 non-member	
NAME: Email :	<input type="checkbox"/> \$70 fngla member <input type="checkbox"/> \$90 non-member	
NAME: Email :	<input type="checkbox"/> \$70 fngla member <input type="checkbox"/> \$90 non-member	

If you are currently enrolled in the Online Greenhouse Production courses offered through the University of Florida, you may be eligible for a 20 percent discount on FNGLA's Plant Health class. For more info and special registration form, contact Linda Reindl, [lreindl@fngla.org](mailto:lreindl@fngla.org)

Grand Total

## TYPE OF BUSINESS **Check All That Apply**

### Wholesale Grower

- 7 - Citrus Nursery
- N - Cut Flowers/Cut Foliage
- F - Foliage
- B - Floriculture (annuals, potted plants,perennials)
- T - Trees

- H - Turf/Sod

- W - Woody Grower

### Landscape Professional

- 6 - Golf Courses
- I - Interiorscape
- Q - Irrigation Contractor
- R - Landscape Architect

- C - Landscape Contractor

- D- Landscape Designer

- E - Landscape Maintenance

- K - Parks/Recreation/Gardens

- J - Resort/Facility Manager

- U - Urban Forester

### Retail Professional

- V - Chain Retailer

- O - Florist

- G - Garden Center

- 2 - Supermarket

### Education

- S - School/Educator

- X - Student

- Y - Research

### Plant Brokers

- Z - Broker

- ! - Rewholesaler

- P - Wholesale Florist

### Other

- A - Allied Supplier

- 3 - Associations

- 5 - Building Contractor/ Developer

- L - Government

- 4 - Media

## Method of Payment:

Make checks payable to **FNGLA**.

Method of payment:  Check  MC  Visa  Discover

Card # \_\_\_\_\_

Exp.Date: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Signature: \_\_\_\_\_

## Billing Address, if different than above:

Address \_\_\_\_\_

City \_\_\_\_\_ St \_\_\_\_\_ Zip \_\_\_\_\_

It is the intention of FNGLA to comply fully with the Americans with Disabilities Act. Anyone with special needs, planning to attend these programs, please make FNGLA aware of these needs.

- Please check here if you require special accommodations to fully participate.
- Please check here if you would prefer vegetarian meals.

**UF** | IFAS Extension  
 UNIVERSITY of FLORIDA



Send registration to: FNGLA, 1533 Park Center Drive, Orlando, FL 32835  
 Phone: (407) 295-7994 or (800) 375-3642 Fax: (407) 295-1619 E-mail: [info@fngla.org](mailto:info@fngla.org)