

# GREENHOUSE MANAGEMENT WORKSHOP: Sustainable & Safe Crop Production

January 16 & 17, 2020

OARDC/OSU, 1680 Madison Ave., Wooster, Ohio



**PROGRAM: General and advanced sessions**

Thursday, January 16 from 9:30 am to 5:00 pm

## Session 1: Fundamentals in Climate Control to Assure Crop Production

Greenhouse Temperature and Humidity Management, *Peter Ling, OSU*

Greenhouse Lighting, *Chieri Kubota, OSU*

**Tour:** Wooster Campus Research Facilities and Greenhouses

## Session 2: Fundamentals in Greenhouse Management for High Productivity

Greenhouse Integrated Pest Management, *Luis Canas, OSU*

Greenhouse Disease Management, *Francesca Hand, OSU*

Greenhouse Balance of Energy, Water and CO<sub>2</sub>, *Peter Ling, OSU*

Plant Balance of Energy, Water and Photosynthesis, *Chieri Kubota, OSU*

**Networking Reception** | snacks provided | cash bar

Friday, January 17 from 8:00 am to 4:00 pm

## Concurrent session 1: Ornamental Crops—Reducing Chemical Inputs

Calcium Chloride for Fungi Control, *Uttara Samarakoon, OSU*

Silicon Application for Crop Health, *Jennifer Boldt, USDA-ARS*

Enhancing Abiotic and Biotic Stress Tolerance with Beneficial Bacteria, *Michelle Jones and Kaylee South, OSU*

Biology and Ecology of Important Pathogens of Ornamental Crops, *Francesca Hand, OSU*

Grower Talk on Nutrient Discharge Management, *Matthew Foertmeyer, Fortmeyer&Sons*

## Concurrent session 2: Food Crops—Hydroponic Food Safety GAPs\*\*

*Presented by: Melanie Ivey, Sanja Ilic, and Beth Scheckelhoff, OSU*

Introduction to GAPs: Basics of Biology of Foodborne Pathogens

General Considerations in Hydroponics

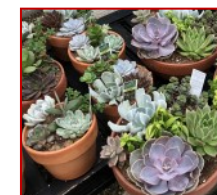
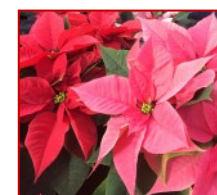
Water Quality: Postharvest, Post Storage, Transport, and Traceability

Developing Your Food Safety Plan, SOPs, and Checklists

Panel Discussion

**Tour:** Commercial Greenhouse

**\*\* GAPs Certification of Completion** will be provided to those who attend the entire concurrent session in person. Online attendees will need to complete an online quiz.



**Costs**

### Two options for attending:

⇒ In person: Attend all general sessions, tours, and choose your concurrent session. Continental breakfasts, lunches, and networking reception included. Registration for both days:

\$150 before January 3, 2020      \$175 after January 3, 2020

⇒ Webinar: Watch presentations online (general sessions and concurrent sessions).

Registration for both days:

\$90 before January 3, 2020      \$115 after January 3, 2020

## GREENHOUSE MANAGEMENT WORKSHOP: Sustainable & Safe Crop Production

**Registration:** Register [online](#) or complete the form and send it with your check.

Name(s): \_\_\_\_\_

Company: \_\_\_\_\_

Street/City/Zip: \_\_\_\_\_

E-mail: \_\_\_\_\_ Phone: \_\_\_\_\_

\_\_\_\_\_ **Attend in person.** Includes all sessions, tours, breakfast and lunch.

Registration BEFORE January 3, 2020. Number attending \_\_\_ x \$150 = \$ \_\_\_\_\_

Registration AFTER January 3, 2020. Number attending \_\_\_ x \$175 = \$ \_\_\_\_\_

\_\_\_\_\_ **Attend via webinar.** Includes general session, 1 concurrent session (TBD).

Registration BEFORE January 3, 2020. Number attending \_\_\_ x \$90 = \$ \_\_\_\_\_

Registration AFTER January 3, 2020. Number attending \_\_\_ x \$115 = \$ \_\_\_\_\_

\_\_\_\_\_ **YES, I will attend the GAPs session and need a Certification of Completion**

**Online registration,**  
[go.osu.edu/greenhouse20](http://go.osu.edu/greenhouse20)  
(credit cards only)

**Or, send form and payment to:**  
(checks only)

Mary Wicks  
OARDC/OSU  
1680 Madison Ave.  
Wooster, OH 44691

Make checks payable to:  
**OARDC/OSU**

### LODGING INFORMATION

Lodging, other meals and travel expenses are the responsibility of each participant.

Accommodations located near OARDC:

Best Western Wooster 330.264.7750

Black Squirrel Inn B&B 330.317.6627

**Comfort Suites\*** 330.439.0190

\*Conference rate: \$92/night. Rate is good to Jan.1.

[Click here](#) to book online or call ('OARDC Room Block').

Breakfast included; <1 mile from Shisler.

Days Inn 330.439.5749

Econo Lodge 330.264.8883

Hampton Inn 330.345.4424

Hilton Garden Inn 330.202.7701

Market Street Inn 330.262.4085

Mirabelle B&B 330.264.6006

St. Paul Hotel 330.601.1900

### CONTINUING EDUCATION CREDITS

Continuing education credits have been requested from the organizations below. Check back for approved hours.

- ⇒ Ohio Pesticide Credit Recertification
- ⇒ Michigan Pesticide Certification
- ⇒ Indiana State Chemist Certification
- ⇒ Pennsylvania Pesticide Recertification

### DIRECTIONS

The education course will be held at the **Shisler Center** on the **OSU-OARDC Wooster campus** located at 1680 Madison Avenue, Wooster, Ohio.

**DIRECTIONS and CAMPUS MAP:**

[wooster.osu.edu/visit-us](http://wooster.osu.edu/visit-us)

### QUESTIONS?

Contact:

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[fabe.osu.edu/greenhouse](http://fabe.osu.edu/greenhouse)

