

GREENHOUSE MANAGEMENT WORKSHOP: Root Zone Optimization

January 17 & 18, 2019

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



PROGRAM: General and advanced sessions

Thursday, January 17 from 8:30 am to 5:00 pm

General Session: Fundamentals

- Basics of Plant Nutrition | *Uttara Samarakoon, OSU*
- Introduction to Root Zone Dynamics | *Chieri Kubota, OSU*
- Substrate Basics | *James Altland, USDA-ARS*
- How to Get the Most out of Your Fertigation System | *Peter Ling, OSU*

Concurrent Session 1: Hydroponics/Soilless Culture for Food Crops

- Root Zone Management for Leafy Greens | *Chieri Kubota & Dan Gillepsie, OSU*
- Root Zone Management for High-Wire Crops | *Mark Kroggel, OSU*
- Research Update on EC/pH Management for Lettuce | *Uttara Samarakoon, OSU*
- Research Update on pH Management for Basil | *Dan Gillepsie, OSU*

Concurrent Session 2: Container Culture for Ornamentals

- Irrigation Management: When and How Much to Water | *Peter Ling, OSU*
- Root Zone Nutrient Management for Annuals | *Uttara Samarakoon, OSU*
- Irrigation Water and Substrate Chemistry in Container Cultures:
How do they affect plant nutrition? | *James Altland, USDA-ARS*

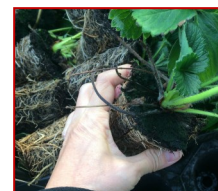
Tour: Wooster Campus Research Facilities and Greenhouses

Friday, January 18 from 8:00 am to 5:00 pm

General Session: Biostimulants

- Getting the Most from Composts: Nutrients, Humates, Microbes and More | *Brian McSpadden Gardener, Sustane Natural Fertilizer, Inc.*
- Types and Benefits of Beneficial Microbe Products According Modes of Action | *Matthew Krause, BioWorks, Inc.*
- Enhancing Plant Growth and Stress Tolerance Using Biostimulants | *Michelle Jones, OSU*
- How to Evaluate Beneficial Microbes in Your Operation | *Matthew Krause, BioWorks, Inc.*
- Microbiomes: Understanding and Optimizing to Control Pathogens | *Chris Taylor, OSU*

Tour: Commercial Greenhouse



Two options for attending:

- ⇒ In person: Attend all general sessions and tours and choose your concurrent session. Continental breakfasts and lunches included. Registration for both days:
\$150 before January 4, 2019 | \$175 after January 4, 2019
- ⇒ Webinar: Watch presentations online (general sessions and one concurrent session-TBD). Registration for both days:
\$100 before January 4, 2019 | \$125 after January 4, 2019

NEW!

GREENHOUSE MANAGEMENT WORKSHOP: Root Zone Optimization

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 4, 2019. Number attending __ x \$150 = \$ _____

Registration AFTER January 4, 2019. Number attending __ x \$175 = \$ _____

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

Registration BEFORE January 4, 2019. Number attending __ x \$100 = \$ _____

Registration AFTER January 4, 2019. Number attending __ x \$125 = \$ _____

Online registration:

go.osu.edu/greenhouse19

(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

Days Inn 330.439.5749

Econo Lodge 330.264.8883

Hampton Inn* 330.345.4424

*Conference rate: \$102/night. 'Greenhouse Workshop' Rate good to 1/4. Breakfast included. ~5 miles

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 are available for:

- ⇒ Indiana State Chemist Certification (Cat 1-6h; Cat 3A-5h; Cat 14-1 h; Cat RT-4 h)
- ⇒ Michigan Dept. Ag and Rural Develop. (MDARD) (Cat 3B, Comm CORE, Priv CORE -10 credits)

Continuing education credits are not available for:

- ⇒ Ohio Pesticide Credit Recertification
- ⇒ Pennsylvania Pesticide Recertification

DIRECTIONS

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

DIRECTIONS and CAMPUS MAP:

wooster.osu.edu/visit-us

QUESTIONS?

Contact:

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phone | 330.202.3533

fabe.osu.edu/greenhouse

