

Equipment Maintenance Track Room C151 (unless otherwise noted)

TUESDAY, DECEMBER 7, 2021

8:00 - 11:30

Power Distributor Workshop at the OTF Research & Education Facility, 2710 North Star Road, Columbus

Pat Hupp, Power Distributors

This will be a hands-on workshop covering troubleshooting and testing procedures for both carbureted and EFI Vanguard twin cylinder engines. Discussion will include compression testing, cylinder leak-down testing, cylinder balance testing and crankcase vacuum testing. In addition, we will cover EFI fuel pressure testing and how to read and clear EFI diagnostic trouble codes on the Delphi-Vanguard EFI system.

Arrive at the OTF Research & Education Facility by 8:00 am. Once the workshop is completed, head over to the Greater Columbus Convention Center for the education and tradeshow.

1:00 - 1:30

GPS Corrections for Turf

Todd Ford, Tracnology

1:30 - 2:00

Mowing Efficiencies - How to Use it at Your Facility

Ed Nangle, The Ohio State University

2:15 - 4:00

Keynote Joseph Dittmar
Sponsored by Syngenta

4:00 – 7:00 – Hall C

Tradeshow Reception

WEDNESDAY, DECEMBER 8, 2021

8:00 - 9:00

Troubleshooting Hydraulic Systems

Nick Baughman, Baughman Education Services

9:00 - 10:00

Electrical Wiring in Mobile Equipment

Paul Lee, The Ohio State University/Wooster

10:00 - 2:00 – Hall C

Tradeshow Only (Complimentary lunch on the show floor – 400 lunches available, first come, first served)

2:00 - 3:00

More Than Just a Grease Monkey

Hector Velazquez, Hectors Shop Training Center

3:00 - 4:00

GPS Sprayers - Tips and Tricks

Andy Billings, Turflux and AL Kaserman, Century

General Pesticide Track Room C150 (unless otherwise noted)

TUESDAY, DECEMBER 7, 2021

8:00 - 9:00

Dealing with Wildlife: Raccoons, Skunks, Moles,
Voles, & Geese

Marne Titchnell, The Ohio State University

9:00 - 10:00

Ponds, Water Quality, and the Turf Setting

Eugene Braig, The Ohio State University

10:00 - 10:30

Turfgrass Diseases 101

Karl Danneberger, The Ohio State University

10:30 - 11:00

Nozzles Selections for Post Emergence
Crabgrass Control

Ed Nangle, The Ohio State University

11:00 - 12:00

Pantry Pests and How to Manage Them

Dave Shetlar, The Ohio State University

12:00 - 1:00 – C170-172

Pesticide Labels - What You Need to Know
(Core)

Jen Andon, The Ohio State University

1:00 - 2:00

Managing Weeds in Landscape Beds

Dave Gardner, The Ohio State University

2:15 - 4:00

Keynote Joseph Dittmar
Sponsored by Syngenta

4:00 – 7:00 – Hall C

Tradeshaw Reception

WEDNESDAY, DECEMBER 8, 2021

8:00 - 9:00

Best Management Practices for Developing
Your Business

Scott Lucas, ODOT

9:00 - 10:00

2021 Update on Ticks in Ohio

Tim McDermott, The Ohio State University

10:00 - 2:00 – Hall C

Tradeshaw Only (Complimentary lunch on the
show floor – 400 lunches available, first come,
first served)

2:00 - 3:00

Interior plantscapes - How to Manage the Pests!

Beth Scheckelhoff, The Ohio State University

3:00 - 4:00

Scouting for Pests in a Landscape Nursery
Setting

Thomas DeHaas, The Ohio State University

**Golf Turf Management Track
Room C170-172 (unless otherwise
noted)**

TUESDAY, DECEMBER 7, 2021

8:00-9:00

Management of Root Diseases in Amenity
Turfgrass

Jim Kerns, North Carolina State

9:00-9:30

Penetrant vs. Retainers and Effects of Various
Products on Putting Green Surfaces

Doug Karcher, The Ohio State University

9:30 - 10:30

76th US Women's Open Breaking the Grass
Ceiling

Kelly Lynch, Pureseed

10:30-11:00

Industry Update Panel

OSU Alum/Kelly Lynch, Pureseed

11:00 - 12:00

Complexity, Simplicity and Pitfalls of Irrigation
Efficiency

Lynda Wightman, Irrigation Consultant

12:00 - 1:00

Pesticide Labels - What You Need to Know

Jen Andon, The Ohio State University

1:00 - 2:00

Turfgrass Insects and Climate Change

Doug Richmond, Purdue University

2:15 - 4:00

Keynote Joseph Dittmar
Sponsored by Syngenta

4:00 – 7:00 – Hall C

Tradeshow Reception

WEDNESDAY, DECEMBER 8, 2021

8:00 - 9:00

Public Golf Round Table - What Have We
Learned

*Bryan Fitch, Bob O'Link, Richard Snode,
Tannenhauf Golf Course and Rich Kitchen*

9:00-10:00

Why Should I Care About Diversity, Equity, and
Inclusion?

Leo Taylor, The Ohio State University

10:00 - 2:00 – Hall C

Tradeshow Only (Complimentary lunch on the
show floor – 400 lunches available, first come,
first served)

2:00-3:00

Contract Building and Those Pesky Negotiations
- How to Get it Done

Tyler Bloom, Workforce Consultant

3:00-4:00

The Top 10 Reasons to Lightweight Roll

Thom Nikolai, Michigan State University

THURSDAY, DECEMBER 9, 2021

8:00 - 9:00

Breakfast with USGA

USGA Green Section, USGA

9:00 - 10:00

State of the Industry with GCSAA President

Mark Jordan, Westfield Country Club

GOLF TRACK - THURSDAY CONTINUED

10:00 - 10:45

Clubhouse and Grounds Update Panel

*Sam Leatherberry, Shady Hollow Country Club,
Todd Voss, Double Eagle, Mike Kennedy, Allen
Kennedy Design, and Michael Lukegard,
Canterbury Golf Course*

10:45-11:30

Installing GCSAA BMP's at Your Course

Shane Conroy, GCSAA

11:30-12:00

New Fertilizer Technology - What Does it Mean

Nicholas Narog, The Ohio State University

12:00 - 12:30

A Quick Look at Winter Injury

Karl Danneberger, The Ohio State University

12:30 – 1:00

Tales from the Great White North and a Look
Forward for ATI

Dominic Petrella, The Ohio State University/ATI

1:00 - 1:30

Two Turf Pests on the Move: Fall Armyworms
and Annual Bluegrass Weevil

Dave Shetlar, The Ohio State University

**Professional Lawn Care Track
Room D182-183 (unless otherwise
noted)**

TUESDAY, DECEMBER 7, 2021

8:00 - 9:00

Economics of Crabgrass and Nutsedge Control
Dave Gardner, The Ohio State University

9:00 - 9:30

Calibration Tips for Lawn Care Applicators
Zane Raudenbuch, Davey Tree

9:30 - 10:00

Do we Need to Aerify Lawns?
Adam Thoms, Iowa State University

10:00 - 10:30 – D180-181

Gadgets and Gizmos: Using Technology to
Diagnose and Communicate Turf Management
Problems
Doug Karcher, The Ohio State University

10:30 - 11:30

Fertilizer Programming for Lawncare
Brad Jakubowski, Pennsylvania State University

11:30 - 12:00

Lawn Establishment Strategies
Dave Gardner, The Ohio State University

12:00 - 1:00 – C170-172

Pesticide Labels - What You Need to Know
(Core)
Jen Andon, The Ohio State University

1:00 - 2:00

Irrigation System Anatomy
Lynda Wightman, Irrigation Consultant

2:15 - 4:00

Keynote Joseph Dittmar
Sponsored by Syngenta

4:00 – 7:00 – Hall C

Tradeshow Reception

WEDNESDAY, DECEMBER 8, 2021

8:00 - 9:00

Communicating with Customers about
Pesticides and Fertilizers
Dave Gardner, The Ohio State University

9:00 - 10:00

The Ins and Outs of Growing your Turf Team
with Immigration
Crucita Flecha, Flecha Law

10:00 - 2:00 – Hall C

Tradeshow Only (Complimentary lunch on the
show floor – 400 lunches available, first come,
first served)

2:00 - 3:00 – D180-181

The Mathematical Argument for the Need of
Pesticides and Fertilizer in the 21st Century
Thom Nikolai, Michigan State University

3:00 - 4:00 – D180-181

Endophytic Turfgrass and Insect Resistance
Doug Richmond, Purdue University

THURSDAY, DECEMBER 9, 2021

8:00 - 9:00

Glyphosate and Pesticide Safety Update
Mimi Rose, The Ohio State University

THURSDAY LAWN CARE - CONTINUED

9:00 - 9:30

Turfgrass Herbicide Update

Dave Gardner, The Ohio State University

9:30 - 10:00

Disease Update for Lawncare

Todd Hicks, The Ohio State University

10:00 - 10:45

Fertilizer Technology for Lawncare Operators

Nicholas Narog, The Ohio State University

10:45 - 11:30

Plant Diseases of Urban Landscapes and Their
Management

Francesca Hand, The Ohio State University

11:30 - 12:00

Insect Update for Lawncare (Cat 8)

Dave Shetlar, The Ohio State University

12:00 - 2:00 – D180-181

Grass ID and Control Workshop

*Nicholas Narog, Ed Nangle and Dave Gardner,
The Ohio State University*

**Sports Field Management Track
Room D180-181 (unless otherwise
noted)**

TUESDAY, DECEMBER 7, 2021

8:00 - 9:00

Columbus Crew: Training Facility
Transformation

Andrew Norheim, Columbus Crew SC

9:00 - 9:30

What do we Know About Humic Fertilizers?

Adam Thoms, Iowa State University

9:30 - 10:00

Climate Variations and Impact on Agronomic
Practices

Dave Gardner, The Ohio State University

10:00 - 10:30

Gadgets and Gizmos: Using Technology to
Diagnose and Communicate Turf Management
Problems

Doug Karcher, The Ohio State University

10:30 - 11:30

What You Really Need to Know About
Fungicides

Jim Kerns, North Carolina State

11:30 - 12:00

Industry Panel Update

*Kelly Lynch, Pureseed, Rob Golembrewski,
Bayer, Chris Williamson, PBI*

12:00 - 1:00 – C170-172

Pesticide Labels - What You Need to Know

Jen Andon, The Ohio State University

1:00 - 2:00

Project Management - A Seat at The Table

Ryan DeMay, Field Source

2:15 - 4:00

Keynote Joseph Dittmar
Sponsored by Syngenta

4:00 – 7:00 – Hall C

Tradeshow Reception

WEDNESDAY, DECEMBER 8, 2021

8:00 - 9:00

Maximize the Minimal

Leah Withrow, Reno Aces

9:00 - 10:00

Justifying Sustainable Irrigation

Lynda Wightman, Irrigation Consultant

10:00 - 2:00 – Hall C

Tradeshow Only (Complimentary lunch on the
show floor – 400 lunches available, first come,
first served)

2:00 - 3:00

The Mathematical Argument for the Need of
Pesticides and Fertilizer in the 21st Century

Thom Nikolai, Michigan State University

3:00 - 4:00

Endophytic Turfgrass and Insect Resistance

Doug Richmond, Purdue University

THURSDAY, DECEMBER 9, 2021

8:00 - 9:00

Building the Right Team for Your Facility-How to
Get it Done

Tyler Bloom, Workforce Consultant

THURSDAY SPORTS FIELD – CONTINUED

9:00 - 10:00

OSU Athletics Panel

Brian Gimble, Brent Packer, Brian Blount, OSU Athletics Moderated by Britt Barry, Warren County Convention & Visitors Bureau

10:00 - 10:45

Working with the Younger Generation

Leah Withrow, Reno Aces, Nate McKinniss and Brandon Stith, The Ohio State University

10:45 - 11:30

What the Students Think!!

Bryan Smith, Sylvania Schools and Drew Miller, Brensville School District

11:30 - 12:30

Getting the Fields Ready for Spring Play: 3 Essentials

Pam Sherratt, The Ohio State University

12:00 - 2:00

Grass ID and Control Workshop

Nicholas Narog, Ed Nangle and Dave Gardner, The Ohio State University

**OSU Short Course Landscape Pests
Track
Room D281-282 (unless otherwise
noted)**

TUESDAY, DECEMBER 7, 2021

8:00 - 9:00

How Pesticides Work, and How to Make Them
Work Better

Mimi Rose, The Ohio State University

9:00 - 10:00

Managing Unwanted Woody Invasive Species
Kathy Smith, The Ohio State University

Tuesday, December 7, 2021

10:00 - 11:00

Bed Bugs Update

Jen Andon, The Ohio State University

11:00 - 12:00

A Management Challenge: Stormwater /
Community Ponds in Residential Areas

Eugene Braig, The Ohio State University

12:00 - 1:00

Top Ten Insects in the Landscape and
Management Options

Curtis Young, The Ohio State University

1:00 - 2:00

Meet the Plant Pathogens: From Fungi to
Viruses: From Bacteria to Mistletoes

Jim Chatfield, The Ohio State University

2:15 - 4:00

Keynote Joseph Dittmar
Sponsored by Syngenta

4:00 – 7:00 – Hall C

Tradeshow Reception

WEDNESDAY, DECEMBER 8, 2021

8:00 - 9:00

Ohio's Invasive Species Insect Pest Update

*Amy Stone / David Adkins, The Ohio State
University / Ohio Department of Agriculture*

9:00 - 10:00

Popping Up - Fairy Rings and Mushrooms and
Their Management

Erika Lyon, The Ohio State University

10:00 - 2:00 – Hall C

Tradeshow Only (Complimentary lunch on the
show floor – 400 lunches available, first come,
first served)

2:00 - 3:00

Connect the Dots: Plant Diversity, Pollinators
and Pest Management

Joe Boggs, The Ohio State University

3:00 - 4:00

Misadventures in Diagnostics
(Diagnosticastrophes)

*Joe Boggs / Erik Draper, The Ohio State
University*

THURSDAY, DECEMBER 9, 2021

8:00 - 9:00

Be Alert to BYGL: A Look Back to Look Forward

Joe Boggs, The Ohio State University

9:00 - 10:00

Diagnosing Diseases of Herbaceous Plants

Francesca Hand, The Ohio State University

THURSDAY LANDSCAPE PESTS - CONTINUED

10:00 - 11:00

Insects and Mites in the Landscape

David Shetlar, The Ohio State University

11:00 - 12:00

Weighing in on Scales

Joe Boggs, The Ohio State University

12:00 - 1:00

Encounters of the Common and Not So

Common Beneficial Insects

Ashley Kulhanek, The Ohio State University

1:00 - 2:00

Perceptions versus Reality: Which Tree Pests

Matter?

Erik Draper, The Ohio State University

OSU Short Course Plants and Practices Track
Room C161-162 (unless otherwise noted)

TUESDAY, DECEMBER 7, 2021

8:00 - 9:00

Creating Certifiable Habitats for Clientele Through National, State and Local Programs
Amy Stone, The Ohio State University

9:00 - 10:00

Inviting Wanted Wildlife to the Landscape
Marne Titchenell, The Ohio State University

10:00 - 11:00

Proven Performers at OSU's Secrest Arboretum
Jason Veil, The Ohio State University

11:00 - 12:00

Top Ten Native Trees That Should Be On Your Plant Palette
Kathy Smith, The Ohio State University

12:00 - 1:00

OSU's Secrest Arboretum Coneflower Trials
Jason Veil, The Ohio State University

1:00 - 2:00

Selling Benefits, Planning and Implementing a Cut Flower Garden for Clientele
Jacqueline Kowalski, The Ohio State University

2:15 - 4:00

Keynote Joseph Dittmar
Sponsored by Syngenta

4:00 – 7:00 – Hall C

Tradeshow Reception

WEDNESDAY, DECEMBER 8, 2021

8:00 - 9:00

The Importance of Host Ranges: The Relationships of Plants to Their Pests and Pathogens
Jim Chatfield, The Ohio State University

9:00 - 10:00

Evergreens Turning Ever Brown - What Is Happening and What Can You Do
Curtis Young, The Ohio State University

10:00 - 2:00 – Hall C

Tradeshow Only (Complimentary lunch on the show floor – 400 lunches available, first come, first served)

2:00 - 3:00

Scouting and Reporting Ailanthus and SLF - We Need You!
Thomas deHaas, The Ohio State University

3:00 - 4:00

Ornamental Grasses for the Landscape
Beth Scheckelhoff, The Ohio State University

THURSDAY, DECEMBER 9, 2021

8:00 - 9:00

Success Begins with Proper Tree Selection, Planting and Training
Erik Draper, The Ohio State University

9:00 - 10:00

Shrubs for the Residential Landscape
Ann Chanon, The Ohio State University

THURSDAY PLANTS & PRACTICES – CONTINUED

10:00 - 11:00

Roots - What We Don't See, Really Does Matter

Erik Draper, The Ohio State University

11:00 - 12:00

Diagnostic Tools From Your Toolbox to the Lab

Carri Jagger / Amy Stone, The Ohio State University

12:00 - 1:00

Latest and Greatest Annuals From The OSU's
Plant Trials

Pamela Bennett, The Ohio State University

1:00 - 2:00

What's New With Perennials

Pamela Bennett, The Ohio State University