

Tri-State Green Industry Conference

Thursday, February 1, 2018
Sharonville Convention Center
11355 Chester Rd
Cincinnati, OH 45246

7:00 – 8:30 am **Registration & Trade Show Opportunity**

8:30 – 9:30 am **Keynote Speaker – Jim Hansel** M.En; CASE
Certified ASP; ONLA Certified Landscape Technician; TTW;
Sustainable Urban Agriculture Instructor
Diamond Oaks Career Development Campus

For all Attendees in Room 101

Recruiting, Training and Retaining ~ Finding and building a professional horticulture workforce.

Understanding what motivates students studying horticulture can provide insight into their perception of the horticulture industry. Demand for our services is increasing at the same time labor is scarce. Understanding how to connect and relate with these students is an investment in your business.

9:30– 10:30 am Concurrent Sessions

- Annuals & Perennials
- Emerging Ideas and Issues
- Garden Center & Greenhouse Innovation
- General Pest & Disease Management
- Sustainable Landscaping
- Tree & Shrub Care
- Turfgrass Management

10:30 – 11:00 am Break/Trade Show Opportunity

11:00 – 12:00 pm Concurrent Sessions

- Annuals & Perennials
- Emerging Ideas and Issues

- Garden Center & Greenhouse Innovation
- General Pest & Disease Management
- Sustainable Landscaping
- Tree & Shrub Care
- Turfgrass Management

12:00 – 1:30 pm Lunch & Dessert with Exhibitors

1:30 - 2:30 pm Concurrent Sessions

- Annuals & Perennials
- Emerging Ideas and Issues
- Garden Center & Greenhouse Innovation
- General Pest & Disease Management
- Sustainable Landscaping
- Tree & Shrub Care
- Turfgrass Management

2:30 – 3:00 pm Break/Trade Show Opportunity

3:00 – 4:00 pm Concurrent Sessions

- Annuals & Perennials
- Emerging Ideas and Issues
- Garden Center & Greenhouse Innovation
- General Pest & Disease Management
- Sustainable Landscaping
- Tree & Shrub Care
- Turfgrass Management

4:00 – 5:00 pm Concurrent Sessions

- General Pest & Disease Management
- Emerging Ideas and Issues

**2018 Tri-State Green Industry Conference
Annuals & Perennials Sessions – Room 201**

Time	Topic & Description	Speaker
8:30 – 9:30	<p>Keynote Speaker topic for all attendees in Room 101-104: Jim Hansel M.En; CASE Certified ASP; ONLA Certified Landscape Technician; TTW Sustainable Urban Agriculture Instructor, Diamond Oaks Career Development Campus</p>	
9:30 – 10:30	<p style="text-align: center;">Thriving in the dead zone- Perennial Survivors for Dry Shade</p> <p>Why do so many shade perennials gradually disappear or poop out in our area? The truth is they may not be cut out to live in our harsh, dry desert-like shade. They are also probably great food for deer! We will look at perennial varieties that will flourish with very low maintenance in the toughest spot to garden, and that will make it as natural deer deterrents. As a member of the Natorp's team, Pat will show you the keys to success in your own yard, or in your retail client's yard or landscape design.</p>	<p>Pat Greeson Natorp's Nursery</p>
11:00 – 12:00	<p style="text-align: center;">Aquatic Plant Selection & Care for the Backyard Pond and Water Garden</p> <p>Water Gardening has been a part of the landscape as long as there have been gardens dating back to Ancient time. From Pharaohs in Egypt to Emperors of Ancient China, water plants have played an important part in human culture for over 4000 years. Join us for an overview of the keys to growing these fascinating plants successfully in your backyard pond. We will share some of our favorite tropical & hardy aquatic plants for your pond, plus all the maintenance & care tips you will need to insure a successful water garden!</p>	<p>Steve Blessing Green Vista Water Gardens</p>
1:30 – 2:30	<p style="text-align: center;">Designing with Cut Flowers from the Garden</p> <p>Robin will talk about using perennials and annuals in flower design – her experience with what works and what doesn't.</p>	<p>Robin Wood Robin Wood Flowers</p>
3:00 – 4:00	<p style="text-align: center;">Designing for the Public</p> <p>Kyra will discuss the designing process for public spaces, focusing primarily on annuals and perennials.</p>	<p>Kyra Back Cincinnati Zoo & Botanical Garden</p>

2018 Tri-State Green Industry Conference
Emerging Ideas and Issues Sessions – Room 104

Time	Topic	Speaker
8:30 – 9:30	<p style="text-align: center;">Keynote Speaker topic for all attendees in Room 101-104: Jim Hansel M.En; CASE Certified ASP; ONLA Certified Landscape Technician; TTW Sustainable Urban Agriculture Instructor, Diamond Oaks Career Development Campus</p>	
9:30 – 10:30	<p style="text-align: center;">Alien Insect Invaders: New Arrivals and Usual Suspects</p> <p>The ever-lengthening list of non-native invasive insect pests threatening our Tri-State urban forests requires continual vigilance by front-line spotters. What's changed with the "usual suspects" and what's new on the radar? What about those invaders not on your radar -- are you clear on actions to take should your scouting turn up something unexpected? This presentation will provide updates on the "known knowns" including tips on identification, regulatory status, and the role of insecticides in their management. Possible new threats, the "known unknowns," will also be discussed so you know what to look for and how to report it.</p>	<p>Joe Boggs OSU, Assistant Professor Department of Entomology</p>
11:00 – 12:00	<p style="text-align: center;">Genetically Engineered Solutions to Horticultural Challenges?</p> <p>Invasive diseases and pests continue to chip away at the palette of plants available to designers and landscapers. What if, instead of administering yet another round of last rites to a nursery or landscape planting, you could choose nursery stock that had been tweaked to shrug off the alien invader? What if a 100% American chestnut could be restored to forests and landscapes? Will resistance to boxwood blight be possible? Can genetic innovations help to reduce pesticide use? Some of these options are on the horizon, others are advancing from back- to front-burner research status. One of the nation's experts on this work will present an overview and offer considerable information to ponder.</p>	<p>Paul Vincelli, PhD Plant Pathologist and Extension Professor, University of Kentucky.</p>
1:30 – 2:30	<p style="text-align: center;">Is the 10-20-30% Diversity "Rule" Obsolete?</p> <p>Frank Santamour originally proposed the "10-20-30 rule" as a guide to species diversity in the urban forest. As green industry professionals, we look down the road and wonder what unknown invasive pestilence might be on the heels of the emerald ash borer. What, if anything can we do to avoid setting the urban forest up for the next EAB-like problem? Mother Nature's lessons in ecology and taxonomic science are one key. Another is changing principles of design in managing the urban forest as a healthy, functional, livable and resilient unit.</p>	<p>Bill Fountain, PhD Extension Professor of Arboriculture at the University of Kentucky</p>
3:00 – 4:00	<p style="text-align: center;">Sedges, Deer and Forest Sustainability (Remote Presentation)</p> <p>Carex spp. are currently enjoying promotion as a groundcover option in native-oriented landscaping plans. Deer don't eat 'em, so learning to embrace the aesthetics offers is a win-win, right? Well, maybe not. Especially if your interests include natural regeneration of urban and ecosystem-scale forests. More alarming is the possibility that our familiarly "wet" northern hardwood forests could one day be in the news for wildfire events, even absent climate change. What's the research and what are the current herbicide-control strategies for altering the trajectory of these scenarios? (This will be a live, remote presentation.)</p>	<p>Jesse Randall, PhD Extension Forester and Associate Professor at Iowa State University</p>
4:00 – 5:00	<p style="text-align: center;">Threading the needle with Dicamba</p> <p>This presentation will focus on the new label requirements for any dicamba product containing more than 6.5 % dicamba.</p>	<p>Lonnie Mason Purdue Extension, Extension Educator</p>

2018 Tri-State Green Industry Conference
Garden Center & Greenhouse Innovation Sessions – Room 105

Time	Topic	Speaker
8:30 – 9:30	<p style="text-align: center;">Keynote Speaker topic for all attendees in Room 101-104: Jim Hansel M.En; CASE Certified ASP; ONLA Certified Landscape Technician; TTW Sustainable Urban Agriculture Instructor, Diamond Oaks Career Development Campus</p>	
9:30 – 10:30	<p style="text-align: center;">Hop Propagation Opportunities for Ohio</p> <p>Brad will cover the growing Ohio hops industry and the opportunity for hop plug plant propagators to support the industry.</p>	<p>Brad Bergefurd OSU, Extension Horticulture Specialist</p>
11:00 – 12:00	<p style="text-align: center;">Plant Growth Regulators. How to use them correctly</p> <p>There is not much new about plant growth regulators (PGRs) in the scientific front. However, there are plenty of new growers/workers coming to the industry. Some of them need to learn how to apply PGRs properly. Not doing so, can result in costly crop losses. Come to this presentation for a review of the basics of the use of the most common PGRs to produce crops that are attractive to most consumers.</p>	<p>Claudio Pasian OSU, Associate Professor, Department of Horticulture and Crop Science</p>
1:30 – 2:30	<p style="text-align: center;">New applied research findings to manage thrips, aphids and mites</p> <p>During this session Dr. Canas will present information about the most recent insecticide efficacy research and use of biological control agents to manage thrips, aphids and mites. Dr. Canas will include specific examples about insecticide rotations using the best compounds and also how to use biological control agents as part of an integrated pest management program to control these pests. He will explain the basis for establishing proper insecticide rotations, and how to use this information to develop your own rotations.</p>	<p>Luis Canas Ph. D. OSU Associate Professor, Department of Entomology</p>
3:00 – 4:00	<p style="text-align: center;">The Organic Farming & Hydroponics Debate Continues</p>	<p>Angela Caporelli Kentucky Department of Agriculture</p>

**2018 Tri-State Green Industry Conference
General Pest & Disease Management Sessions – Room 101-102**

Time	Topic	Speaker
8:30 – 9:30	<p style="text-align: center;">Keynote Speaker topic for all attendees in Room 101-104: Jim Hansel M.En; CASE Certified ASP; ONLA Certified Landscape Technician; TTW Sustainable Urban Agriculture Instructor, Diamond Oaks Career Development Campus</p>	
9:30 – 10:30	<p style="text-align: center;">Management of Foliar Disease</p> <p>This presentation focuses on how to effectively and sustainably manage both chemical (fungicide) and genetic (disease resistance) resources for horticultural crops while protecting the environment.</p>	<p>Janna L Beckerman Purdue University, Plant Pathologist</p>
11:00 – 12:00	<p style="text-align: center;">Cultural and Herbicide Approaches to Weed Control in Ornamental Beds</p> <p>In order to successfully combat weeds in landscape beds, it is important to be able to identify the weeds and know their life cycle. Based on this information, you can then determine if herbicidal control options are practical, including selection of the proper herbicide and the most appropriate application timing. Proper cultural practices and their contribution to weed control in landscape beds will also be discussed.</p>	<p>Dave Gardner, PhD OSU Associate Professor, Department of Horticulture & Crop Science</p>
1:30 – 2:30	<p style="text-align: center;">New Herbicides for the Management of Nuisance Aquatic Plants...and Some Aquatic-plant Management News for Good Measure</p> <p>Several new herbicides have been approved for aquatic applications in the last several years, and several new potentially invasive species of aquatic plants are threatening the tri-state area or have only recently been observed within Ohio. We'll detail those new herbicides and discuss known control measures for a few newly invasive aquatic plants.</p>	<p>Eugene Braig OSU, Aquatic Ecosystems Program Director</p>
3:00 – 4:00	<p style="text-align: center;">Management of Undesirable Plants in Woodlands</p> <p>This session will provide an overview and an update on herbicides and techniques that can be used to manage non-native invasive and other undesirable plants in woodlands.</p>	<p>David Apsley OSU, Natural Resources Specialist</p>
4:00 – 5:00	<p style="text-align: center;">A Practical Look at Labels</p> <p>This presentation focuses on how pesticide labels provide clear instructions that maximize efficacy while protecting people and the environment. Case studies will be used to illustrate the proper labeled use of pesticides commonly used by the Green Industry. Examples include how to minimize impact on non-target plants with herbicides and on beneficial insects such as pollinators with insecticides (e.g. "Bee Friendly").</p>	<p>Joe Boggs OSU, Assistant Professor Department of Entomology</p>

**2018 Tri-State Green Industry Conference
Landscape Ecosystems Sessions – Room 204**

Time	Topic	Speaker
8:30 – 9:30	<p style="text-align: center;">Keynote Speaker topic for all attendees in Room 101-104: Jim Hansel M.En; CASE Certified ASP; ONLA Certified Landscape Technician; TTW Sustainable Urban Agriculture Instructor, Diamond Oaks Career Development Campus</p>	
9:30 – 10:30	<p style="text-align: center;">Protecting Pollinators when making Pesticide Applications</p> <p>Crops need to be protected from pests, however pesticide applications can be made by using methods that reduce potential negative effects on pollinators. Learn the laws and rules regarding pollinator safety and techniques that can minimize possible damage to pollinators when making pesticide applications.</p>	<p>Barbara Bloetscher State Apiarist/Entomologist Ohio Department of Agriculture</p>
11:00 – 12:00	<p style="text-align: center;">How to build a better Monarch Waystation</p> <p>This presentation will cover how to build a Monarch Waystation (e.g., best milkweed species, optimum layout for monarch gardens). It will also cover methods for propagating milkweed for sale, and some cooperation with golf courses to establish milkweed in naturalized roughs.</p>	<p>Adam Baker University of Kentucky</p>
1:30 – 2:30	<p style="text-align: center;">Bee-friendly woody ornamentals</p> <p>BMPs for timing to minimize residues in systemically treated trees and shrubs, and the fact that both non-native and native woody plants can be good for bees.</p>	<p>Bernadette Mach University of Kentucky</p>
3:00 – 4:00	<p style="text-align: center;">A Prairie Primer</p> <p>Great Parks of Hamilton County has created or restored 45 prairies totaling almost 700 acres. Learn how we plant and maintain these areas from harvesting the seed from our nursery to burning the prairies. We will also discuss how you can use some of the same plants and techniques in a smaller residential or municipal setting.</p>	<p>Tom Borgman Natural Resource Manager Great Parks of Hamilton County</p>

**2018 Tri-State Green Industry Conference
Tree & Shrub Care Sessions – Room 202**

Time	Topic	Speaker
8:30 – 9:30	<p style="text-align: center;">Keynote Speaker topic for all attendees in Room 101-104: Jim Hansel M.En; CASE Certified ASP; ONLA Certified Landscape Technician; TTW Sustainable Urban Agriculture Instructor, Diamond Oaks Career Development Campus</p>	
9:30 – 10:30	<p style="text-align: center;">Common Insects & Diseases of Conifers</p> <p>This presentation will cover the identification and management of major disease and pests of conifers.</p>	<p>Curtis Young, PhD OSU Extension</p>
11:00 – 12:00	<p style="text-align: center;">The Basics of Tree Preservation and Protection During Construction Projects</p> <p>Protecting and preserving trees during site development and construction projects may seem easier said than done. But, with proactive planning and implementation of innovative tree protection measures, landscapers and arborists can accomplish their clients' development goals while preserving these important property assets. This presentation will address basic tree physiology, provide information on the negative impacts of construction activities, talk about risk and liability, and show examples of how to avoid and mitigate damage.</p>	<p>Jenny Gulick Davey Resource Group</p>
1:30 – 2:30	<p style="text-align: center;">Time For Better Breads and Butters: Expand Planting Choices, Increase Long-term Success</p> <p>Brian will be talking about trees and shrubs that can be utilized more so that we have a healthier and more successful landscape, in a region dominated by the same handful of species. Diversity is key.</p>	<p>Brian Heinz Spring Grove Cemetery & Arboretum</p>
3:00 – 4:00	<p style="text-align: center;">Trees in the Urban Forest – Street Tree Planning</p> <p>This presentation will cover what we need to do to help trees live in the tree-lawn.</p>	<p>Wendi Van Buren ODNR Urban Forester</p>

**2018 Tri-State Green Industry Conference
Turfgrass Management Sessions – Room 203**

Time	Topic	Speaker
8:30 – 9:30	Keynote Speaker topic for all attendees in Room 101-104: Jim Hansel M.En; CASE Certified ASP; ONLA Certified Landscape Technician; TTW Sustainable Urban Agriculture Instructor, Diamond Oaks Career Development Campus	
9:30 – 10:30	Everything You Need to Know About White Grubs, and More! There is a lot of folklore about white grubs that attack turfgrasses. This talk will cover the life cycles of masked chafers, Japanese beetles, green June beetles and May-June beetles, our major pests of turf. We will discuss the influence of winter weather, rainfall and summer droughts on white grub behavior. This will be combined to provide you with the best times that our current grub control products can be used to maximize their efficacy and reduce costs.	Dave Shetlar, PhD OSU, Professor Emeritus of Urban Landscape Entomology
11:00 – 12:00	Selection and Use of Fungicides for Effective Disease Management in Turf - How fungicides work - Key steps in effective fungicide use in lawns & turfgrass - Best practices in making applications - What products can be used on residential lawns - Disease Outlook for 2018	Joseph W. Rimelspach OSU Program Specialist Department of Plant Pathology
1:30 – 2:30	Control of Newly Emerging and Difficult Weeds Many new weed species are appearing in Ohio Lawns, including lesser celandine and the paspalums. In this presentation we will examine some of the weeds that have already encroached into Ohio lawns as well as some weedy species that have the potential to also appear in the future. For some of these weeds, viable herbicidal control options exist and for others there are no selective control options. Current management recommendations for these weeds will be presented	Dave Gardner, PhD OSU Associate Professor, Department of Horticulture & Crop Science
3:00 – 4:00	Assessing Soil Nutrients for Optimum Turf Quality, Environmental Protection and Cost-Effective Fertilizer Use The 4R Principles of Nutrient Management have become the guiding standards for fertilizer use in row crops. Learn the 4R Principles as they apply to the urban environment. These principles can be used to optimize turf quality, protect the environment and provide cost-effective fertilizer use.	Chuck Darrah Consulting Turfgrass Agronomist CLC LABS