



Tri-State Green Industry Conference (GIC)

2023 Tri-State Green Industry Conference (GIC) Thursday, February 2, 2023

Sharonville Convention Center
11355 Chester Road
Sharonville, OH 45246

Tri-State GIC Planning Committee

Name	Affiliation	Name	Affiliation
Heather Augustine	Cincinnati State Technical and Community College	Jenny Gulick	Urban canopy Works, LLC
J.T. Benitez	OSU Extension, Butler County	Maria Gulley	OSU Extension, Hamilton County
Scott Beuerlein	Cincinnati Zoo and Botanical Garden	Brian Heinz	Spring Grove Cemetery and Arboretum
Joe Boggs	OSU Extension, Hamilton County / OSU Entomology	Jeff Hermes	Purdue Extension, Dearborn County
Julie Crook	OSU Extension, Hamilton County (Retired)	Sarah Imbus	Campbell County Cooperative Extension
Mark Deacon	Cincinnati State Technical and Community College	Dave Koester	Campbell County Cooperative Extension
Steve Foltz	Cincinnati Zoo and Botanical Garden	Paul Koloszar	Cincinnati Zoo and Botanical Garden
Brandon George	Kenton County Cooperative Extension	Kim Martini	OSU Extension, Hamilton County (Retired)
Jennifer Goldschneider	OSU Extension, Hamilton County, MGV	Gigi Neal	OSU Extension, Clermont County
Pat Greeson	Natorp's	Beth Scheckelhoff	OSU Extension, Putnam County
Dave Gressley	Spring Grove Cemetery and Arboretum	ShaLise Simmons	OSU Extension, Learning, & Organizational Development
Brian Grubb	University of Cincinnati, Horticulture	Kris Stone	Boone County Arboretum

2023 Tri-State Green Industry Conference (GIC) Agenda

Rooms 101-104

8:00 – 8:15	Welcome & Announcements	
8:15 – 9:15	Keynote: Connecting the Dots: Plant Diversity, Pollinators, and Pest Management	<p>Joe Boggs, OSU Extension/OSU Entomology</p> <p>Protecting plant pollinators is commonly viewed as only an insecticide use issue. We must think more broadly because the science is clear: pest management and plant pollinators are two sides of the same coin in urban landscape ecosystems. This presentation reveals the multi-layered connections between pollen, nectar, and a parade of unsung insect heroes that keep pests in check without the need for insecticides.</p>

General Pest & Disease Management

Rooms: 101-102 Moderators: J.T. Benitez & Dave Koester

Time	Presentation Title/Topic	Speaker & Presentation Description
8:30 – 9:30	Keynote Speaker topic for all attendees	
9:30 – 10:30	The Challenges and Success of the "Plant the Right Tree in the Right Place" Campaign	<p>Dave Bienemann, City of Hamilton</p> <p>The "Plant the Right Tree in the Right Place" Campaign will be highlighted; how it was started and how it has impacted community tree planting. How have urban tree pests and diseases and their management including Dutch elm disease, oak wilt, spongy moth, and emerald ash borer, etc., etc., influenced decision-making by municipalities and electric utilities as well as others? This presentation will bring home where we are today in tree selection, planting and urban designs.</p>
10:30 – 11:00	Break	
11:00 – 12:00	Pathogens of Nursery Crops: the Not So Good, the Really Bad, and the Ugly	<p>Dr. Francesca Peduto Hand, OSU Plant Pathology</p> <p>Nursery crops are constantly confronted by pathogens that cause plant diseases. This talk will review a range of plant diseases that have affected the ornamental industry in the last few years, along with some emerging threats, and will provide an update on the research being done to combat them.</p>
12:00 – 1:30	Lunch	
1:30 – 2:30	ODA Regulatory Update	<p>Matt Cochran & Team, Ohio Department of Agriculture (ODA)</p> <p>A generalized review of ODA regulations, website updates, C&T information, and enforcement-related updates/cases</p>
2:30 – 3:00	Break	
3:00 – 4:00	Basics of Aquatic Plant ID by Family & Control Options	<p>Dr. Eugene Braig, OSU School of Environment and Natural Resources</p> <p>Herbicide failures are commonly associated with misidentifications. An effective aquatic weed management program starts with an accurate plant ID. This presentation will link accurate plant IDs with effective product selection.</p>
4:10 – 5:10	Big Bad Weeds: Poison Hemlock and Wild Parsnip	<p>Joe Boggs, OSU Extension/OSU Entomology</p> <p>These non-native dangerous weeds are spreading. Attendees will learn how to identify these weeds and why they are so dangerous to your workers and the public. Integrated Vegetation Management (IVM) management strategies will be presented including effective herbicides as well as why some tactics work while others can make the problem worse.</p>

Turfgrass Management

Rooms: 103-104 Moderators: Gigi Neal & Jeff Hermes

Time	Presentation Title/Topic	Speaker & Presentation Description
8:30 – 9:30	Keynote Speaker topic for all attendees	
9:30 – 10:30	What You Have is What You'll Get	Dr. Lee Miller, Turf Pathology, Purdue University The first step of plant disease diagnosis is knowing the host and being familiar with the suite of diseases it is susceptible to. While many lawns are tall fescue, in some cases another species or a mixture of species may be planted. In this presentation, we will discuss the differences among diseases that can affect different cool-season turfgrass hosts.
10:30 – 11:00	Break	
11:00 – 12:00	What happens to pesticides after application to turfgrass - a case for responsible usage?	Dr. Dave Gardner, OSU Horticulture & Crop Science A review of what happens to pesticides after application and how to adopt management strategies that minimize harm to the environment from their use.
12:00 – 1:30	Lunch	
1:30 – 2:30	Turfgrass Weed Control Update	Dr. Dave Gardner, OSU Horticulture & Crop Science The latest in new products and management strategies to control weeds in turfgrass will be presented.
2:30 – 3:00	Break	
3:00 – 4:00	Growing In & Maintaining High Traffic Turfgrass	Jamie Mehringer, Advanced Turf Solutions This presentation will focus primarily on sports turf but will also highlight other high-traffic turf sites. It will include the proper steps for successful turfgrass establishment along with a variety of products to consider during establishment and long-term maintenance.

Greenhouse Innovation and Urban Agriculture

Room: 105 Moderators: Heather Augustine & Pat Greeson

Time	Presentation Title/Topic	Speaker & Presentation Description
8:30 – 9:30	Keynote Speaker topic for all attendees	
9:30 – 10:30	Growing the Future: Cultivating the Next Generation of Green Industry Professionals	Claire Linepense, OSU Extension, Hamilton County The Green Industry has long faced a challenge with an aging workforce that affects all levels from owners to managers to front-line workers. This presentation provides a pathway to connect the dots to “grow” Green Industry professionals out of 4-H youth development programs.
	Break	
11:00 – 12:00	Issues and Challenges in the Interior Plantscape	Heather Augustine, Cincinnati State Technical and Community College Interior Plantscape management presents a number of challenges including plant selection as care which is often associated with pests and diseases. This presentation will arm participants with the knowledge to make good plant management decisions.
	Lunch	
1:30 – 2:30	Benefits of Using Plant Growth Regulators	Dr. Garrett Owen, OSU Horticulture & Crop Science PGRs can be a producer's best friend or worst enemy. From product selection to application timing, this presentation will help you to maximize the benefits while reducing side effects.
	Break	
3:00 – 4:00	Thrips Management in Greenhouses and Hoop Houses	Dr. Luis Canas, OSU Entomology Thrips continue to present a serious management challenge associated with life cycles, look-a-like damage, insecticide efficacy, and application timing. This presentation will help answer your questions on effective management options.

Worker Safety

Room: 106 Moderator: Beth Scheckelhoff

Time	Presentation Title/Topic	Speaker & Presentation Description
8:30 – 9:30	Keynote Speaker topic for all attendees	
9:30 – 10:30	Is Your Safety Training Program Working?	Dr. Dee Jepsen, OSU Extension, State Agricultural Safety and Health Leader How do you know if your training programs are working? When everything is important to address for the safety and health of your workforce (equipment safety, roadway safety, chemical handling, mixing, and rinse-out), how do you prioritize your programs and document your training impact? This session will take a train-the-trainer approach to focus on What to Teach and How to Teach green industry workers.
10:30 – 11:00	Break	
11:00 – 12:00	Pesticide Safety and Label Review	Dr. Mary Ann 'Mimi' Rose, Director, OSU Extension Pesticide Safety Education Program Together we'll review some pesticide labels and discuss timely topics related to pesticide safety. Come with a pencil sharpened and prepared to take a quiz!
12:00 – 1:30	Lunch	
1:30 – 2:30	Chainsaw Safety and Maintenance, Part 1	Dan Loch, Field Applications Specialist, Bryan Equipment Sales Learn how to keep yourself and others safe while effectively using a chainsaw. This presentation will focus on worksite safety and preparedness, PPE, chainsaw features and their benefits, proper tree felling techniques, and chainsaw maintenance.
2:30 – 3:00	Break	
3:00 – 4:00	Chainsaw Safety and Maintenance, Part 2	Dan Loch, Field Applications Specialist, Bryan Equipment Sales Learn how to keep yourself and others safe while effectively using a chainsaw. This presentation will focus on worksite safety and preparedness, PPE, chainsaw features and their benefits, proper tree felling techniques, and chainsaw maintenance.

Landscape Ecosystems: Creating Pollinator Habitats

Rooms: 107-108 Moderators: Steve Foltz & Joe Boggs

Time	Presentation Title/Topic	Speaker & Presentation Description
8:30 – 9:30	Keynote Speaker topic for all attendees	
9:30 – 10:30	Laying the Groundwork: Soils for Pollinator Gardens	Steve Foltz, Cincinnati Zoo and Botanical Garden (CZBG) Soil is the foundation upon which we build healthy plants. So, soil problems lead directly to plant problems, particularly with urban soils which are often severely damaged during past construction. This session will teach you how to recognize and fix urban soil problems that weaken the foundation of pollinator gardens.
10:30 – 11:00	Break	
11:00 – 12:00	Identifying the Pollinators – Who are They?	Dr. Dave Shetlar, OSU Entomology Emeritus Plant pollinators are more than bees. There is a wide range of forms making them subject to misidentifications. Is it a pollinator or a pest? This presentation will help you separate friend from foe.
12:00 – 1:30	Lunch	
1:30 – 2:30	Overview of Pollinator Evaluations at CZBG	Jerome Stenger and Sam Moore, Horticulture, CZBG The wide plant diversity in the CZBG provides the perfect platform for evaluating pollinator attraction to different plant species as well as varieties and cultivars. This presentation provides an overview of how plants are evaluated and results that you can apply in creating successful pollinator gardens.
2:30 – 3:00	Break	
3:00 – 4:00	Pollinator Plants and Gardens: You Can Please Everyone	Pam Bennett, OSU Extension, Clark County Pollinator gardens and protecting pollinators is all the rage and is important today. However, it doesn't have to be all or nothing in terms of planting all native plants or maintain the garden. Learn about native plants that can be incorporated into the landscape and maintenance techniques that help to protect the pollinators while at the same time, look great.

Emerging Ideas and Issues

Rooms: 109-110 Moderators: Dave Gressley and Brian Grubb

Time	Presentation Title/Topic	Speaker & Presentation Description
8:30 – 9:30	Keynote Speaker topic for all attendees	
9:30 – 10:30	Beech Leaf Disease (BLD)	Enrico Bonello, OSU Plant Pathology BLD is a serious threat to American beech throughout its range. What is BLD: what does it look like and what causes it? How can we do to stop it?
10:30 – 11:00	Break	
11:00 – 12:00	Spotted Lanternfly (SLF) Update	Amy Stone, OSU Extension, Lucas County SLF is now found in Ohio and Indiana. This presentation provides information on the identification and management of this non-native pest.
12:00 – 1:30	Lunch	
1:30 – 2:30	REMOTE: Pesticide Residue in Herbaceous Pollinator Plants	Christopher Halsch, University of Nevada, Dept. of Biology; Sharon Salvaggio, Xerces Society for invertebrate Conservation; Aimee Code, Xerces Society for Invertebrate Conservation, Pesticide residue represents a serious threat to plant pollinators. This panel will discuss the current research and the potential impacts.
2:30 – 3:00	Break	
3:00 – 4:00	EAB Update and Research on Lingering Ash	Kathleen Knight, USDA Forest Service, Delaware, OH. Why are some non-treated native ash trees still alive? Are they just “lucky” and need to be treated, or are they resistant? This presentation presents the current research helping to answer these EAB management questions.

Annuals & Perennials

Rooms: 201-202 Moderators: Scott Beuerlein and Paul Koloszar

Time	Presentation Title/Topic	Speaker & Presentation Description
8:30 – 9:30	Keynote Speaker topic for all attendees	
9:30 – 10:30	Sea Oats and Other Mistakes I've Made; Managing Expectations for Natives	Paul Koloszar, Cincinnati Zoo and Botanical Garden The movement toward growing more native plants is full of good intentions, but some native species present challenges which may catch up with unwary gardeners. Paul will talk about a number of those species and share his thoughts on why they should still be grown and how to successfully integrate them with other plants in the landscape.
10:30 – 11:00	Break	
11:00 – 12:00	Attractive Native Perennials to Add Ecological Function to the Landscape	Kevin Tunesvick, Senior Ecologist, Eco Logic, Bloomington, Indiana Our herbaceous flora is replete with attractive perennials that add ecological function to the landscape. This talk will introduce species native to both wooded and prairie habitats that will look good in the perennial garden while nectar resources to native pollinators and serving as larval hosts for butterflies and moths. Cultural information and recommended associates in a garden setting will also be discussed.
12:00 – 1:30	Lunch	
1:30 – 2:30	Not Your Mother's Flowerbed - Beautiful and Unusual Annuals and Tropicals for your Summer Gardens	Chris Baker, Semi-Retired Grand Wazoo of Baker's Acres Greenhouse in Alexandria, OH A slide show with descriptions of really cool plants that you just don't see every day yet will perform very well in our zone 6 summer.
2:30 – 3:00	Break	
3:00 – 4:00	Growing as a Gardener	Rodrigo Jordy, Newfields Horticulturist Creating effective perennial border combinations while exploring a different plant palette. Lessons learned in alkaline clay soil
4:10 – 5:10	Controlling the worst weeds in landscape beds	Dr. Dave Gardner, OSU Horticulture & Crop Science A survey of different types of nuisance weeds in landscapes including herbicide recommendations and strategies for control

Trees & Shrubs

Rooms: 203-204 Moderators: Kris Stone, Jenny Gulick, and Brian Heinz

Time	Presentation Title/Topic	Speaker & Presentation Description
8:30 – 9:30	Keynote Speaker topic for all attendees	
9:30 – 10:30	Winter Woodies: Planting for Year-Long Interest	Jack Schaefer, Cincinnati Zoo and Botanical Garden Tree selection is often guided by characteristics that only appear in the spring, summer, or fall. Winter interest is commonly ignored. This presentation will guide you in selecting trees and shrubs that thrill the eye throughout the year.
10:30 – 11:00	Break	
11:00 – 12:00	Tree and Shrub Insect and Disease Issues	Dr. Chad Rigsby, Bartlett Tree Experts This talk will focus on concerning and noteworthy insect and disease pests on our ornamental trees and shrubs, their biology, and their management. We will particularly focus on spotted lanternfly, oak wilt, and Phytophthora root rot and bleeding canker.
12:00 – 1:30	Lunch	
1:30 – 2:30	Drawing on Years of Practical Experience to Get Back to the Basics	Dave Leonard, Dave Leonard Tree Specialists Dave is an ISA Board Certified Arborist, an ISA Certified Tree Risk Assessor, and an ASCA Registered Consulting Arborist. From planting and pruning to tree health management, this presentation draws from 39 years of experience to help you merge “new and improved” with “tried and practical.”
2:30 – 3:00	Break	
3:00 – 4:00	Conifers: Their Care and Issues	Dr. Chad Rigsby, Bartlett Tree Experts Species of conifers that have been traditionally planted in our area, such as blue spruce, Scotts pine, and Austrian Pine, are experiencing unprecedented challenges. Changes in our climate coupled with soil conditions and pressure from pests have made caring for these species exceedingly difficult. In this talk, we will discuss how to care for these plants as well as discuss some potential alternative species.

