

"The Leader in Green Industry Education" SINCE 1987



Lawn Care



Pest Control



Irrigation



Sports Turf/Grounds

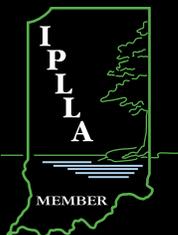


Landscape

Continuing Credit Hours (CCHs)

Maximum Available

Category 2	Forestry	4 CCHs
Category 3A	Ornamental	4 CCHs
Category 3B	Turf	4 CCHs
Category 5	Aquatic	2 CCHs
Category 6	Right-of-Way	2 CCHs
Category 7A	Pest Control	3 CCHs
Category RT	Registered Technician	4 CCHs



THE 32ND ANNUAL
Summer
FIELD DAY

THURSDAY
August 23, 2018

Hendricks County Conference
Center & Fairgrounds

317-575-9010 • www.iplla.com



SCHEDULE

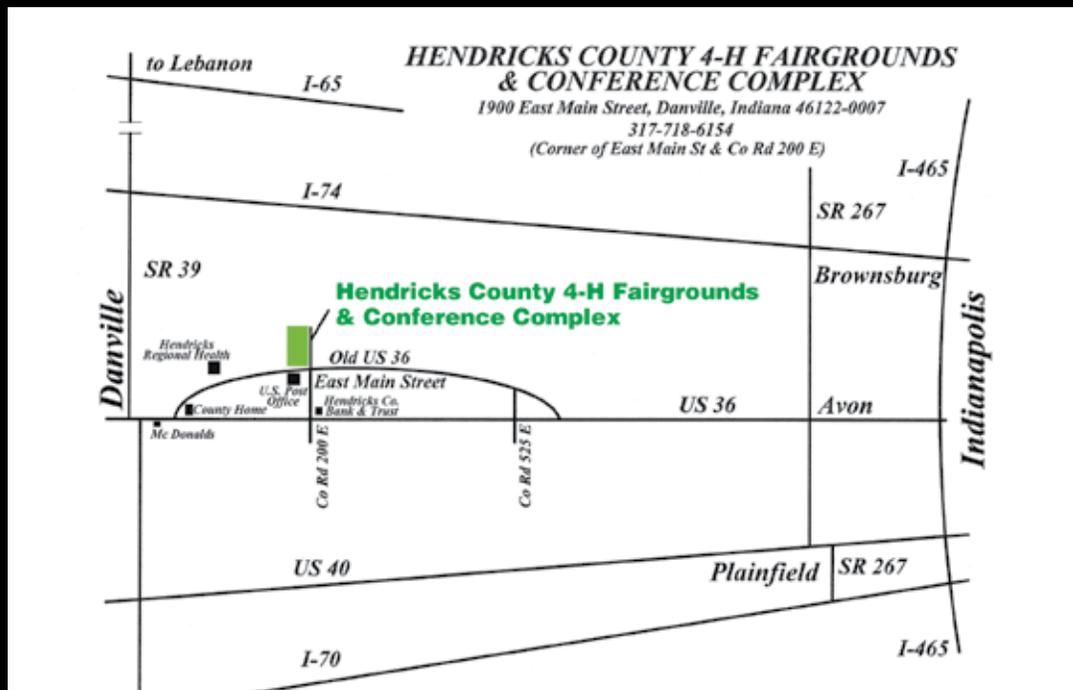
THURSDAY
August 23,
2018

Hendricks County
Conference Center
& Fairgrounds

317-575-9010
www.iplla.com

7:30 am	Registration Desk Opens Hendricks County Conference Center
7:30 – 10:30 am	Exhibitor Set-Up
9:00 – 11:15 am	Educational Programs
11:15 am – 1:30 pm	IPLLA Summer Field Day and World Famous Barbecue and Chicken Lunch DOOR PRIZE DRAWING
1:30 – 3:45 pm	Educational Programs
3:45 pm	32nd Annual Summer Field Day Closes

All Roads Lead to the 2018 Summer Field Day!



NEW EXHIBITORS WANTED!

Give us the name of one of your favorite suppliers. We will contact them. If they decide to exhibit at the Summer Field Day, you will become eligible to win Free Attendance at the 2019 Summer Field Day.

Supplier Name: _____

Contact Person: _____

Contact Person: _____

Contact Person: _____

We are particularly interested in locating Indiana vendors who may want to expand their customer base in the Green Industry.

INDIANA PESTICIDE CLEAN SWEEP PROJECT RETURNS

IPLLA joins with the Office of Indiana State Chemist in offering a Pesticide Clean Sweep day at our August 23, 2018 Summer Field Day. The purpose of the event is to permit applicators to dispose of suspended, canceled, banned, unusable, opened, unopened, or just unwanted pesticides.

This disposal service is free of charge up to 250 pounds per participant.

There is a \$2.00 per pound charge for over 250 pounds. This provides Field Day attendees with a great opportunity to legally dispose of unwanted products at little or no cost.



The Clean Sweep Project Form for the 2017 Summer Field Day can be found by clicking "ISCO Clean Sweep" on the "Events" tab at iplla.com.

2017 HIGHLIGHTS



SOUTH HALL

9:00 to
10:00 am

Planning Your Pest Management Strategies: Which Pests Really Matter?

Dr. Joe Boggs ■ OSU Extension

Every landscape business has a unique set of capabilities, customer expectations, and pest management philosophies. This means that each business needs to carefully categorize where to put their pest management emphasis. Sorting out which pests are: (1) Not damaging; (2) Serious pest problems but management of them is no longer possible or beyond your capacity to manage, and/or (3) Can be managed by your efforts and thus need to form the core of your service. Determining which category each pest fits in is a creative exercise you should undertake each year, to be most productive and profitable this coming season. This session is designed to help you plan your company's pest management strategy.

1 CCH in Category 2-3A-3B-RT

10:15 to
11:15 am

Managing Home Invaders

Dr. Dave Shetlar ■ Ohio State University

Many lawn care companies and other organizations are asked by their clients if they can treat for home-invading ants, millipedes, ground beetles, and a host of other arthropods. Virtually all states require a separate Pesticide Applicator License for a professional to make these treatments that are normally the area of pest management professionals. This session will discuss the biology and ecology of these home-invaders, discuss how habitat modifications can decrease the invader populations, and discuss insecticide treatments that are known to be effective.

1 CCH in Categories: 7A – RT

11:15 am to
1:30 pm

The 32nd Annual Summer Field Day & World Famous Barbecue Luncheon

1:30 to
2:30 pm

Understanding the Characteristics of Basic Soils

Randy Zondag ■ Zondag Consulting

Randy always take a direct approach when addressing any topic and today is no exception. If we are to successfully grow something in soil, then we must understand the soil itself. (1) How do we sample soils? (2) Understanding a soil test. (3) Understanding soil characteristics (physical, chemical, and biological) (4) Understanding surface and internal drainage, and (5) the things we need to do before we plant.

1 CCH in Categories: 2-3A-3B-RT

2:45 to
3:45 pm

Using Weather Data to Make Daily Decisions

Joseph Cooper ■ Thermodynamic Solutions

Everyone of us in the lawn and landscape industry is impacted daily by weather and the late spring of 2018 certainly demonstrated that fact. Daily changes in weather not only impact our ability to work, but also the effectiveness of what we accomplish. Customer perception also is impacted by changing weather as they do, or do not make buying decisions, and often delay important work that we need to do within certain time frames. Mr. Cooper will discuss how to use short and medium range weather data to better anticipate and then plan around the weather.

1 CCH in Categories 2-3A-3B-5-6-7A-RT

NORTH HALL

9:00 to
10:00 am

Control of Thistles and Wild Violet

Dr. Aaron Patton ■ Purdue University

Why are some weeds so hard to kill? With well over 120 different weeds that invade Indiana lawns, a “one size fits all” approach to weed control is unsuccessful. Just like specific home improvement projects often require specific tools and knowledge to complete, difficult to control weeds also require specific knowledge to control. This presentation will help us all learn more about the biology of these hard-to-control weeds and the researched solutions to their control.

1 CCH in Categories 2-3A-3B-RT

10:15 to
11:15 am

Just Say No! When You Should Not Meet Impossible Client Expectations

Dr. Joe Boggs ■ OSU Extension

“You’re looking at a mature “see through” blue spruce tree with more stems than needles and the potential client pleads “can you save my tree?” You don’t want to disappoint, you want to be helpful, and you don’t want to lose the client’s business. But you know you also cannot bring back the dead! What do you say? Dr. Boggs will look at real-life examples, case studies, and audience input will be used in this presentation to help you hone your decision and communication skills in order to avoid over-promising to meet impossible client expectations.

1 CCH in Categories 2-3A-RT

11:15 am to
1:30 pm

The 32nd Annual Summer Field Day & World Famous Barbecue Luncheon

1:30 to
2:30 pm

White Grub Myths, Facts, and Effective Controls

Dr. Dave Shetlar ■ Ohio State University

Dr. Shetlar is Professor Emeritus of Urban Landscape Entomology at OSU. Today, the “Bug Doc” joins our faculty to discuss some of the myths surrounding white grubs that attack home lawns. Could it be that a mild winter will mean more white grubs? If moles are tunneling a lawn, then there must be lots of white grubs in it? We will also review the major species of grubs found in Indiana, their biology, and how to use bio-based insecticides and regular grub insecticides to maximize their efficacy.

1 CCH in Categories 3B-RT

2:45 to
3:45 pm

What and How Much Organics Do I Need in The Landscape?

Randy Zondag ■ Zondag Consulting

What is organics? How do we get it into our soils? What is the difference between mulch and compost and why is that important? How much do I need and where do I find it? Using your nose to tell you the quality of organic matter. Why do we place organic matter on the soil surface? Why organics are not all the same. WOW! And we only have an hour to cover this. It is good to welcome Randy Zondag back to the Field Day line-up. He always has a great message.

1 CCH in Categories 2-3A-3B-RT

CLASSROOMS B AND C

9:00 to
10:00 am

Natural Stone From Indiana and Beyond

David LaFara ■ Tiffany Lawn & Garden Supply

Dave LaFara (Sir Rocks-A-Lot) of Tiffany Lawn and Garden Supply will join us to discuss the types and styles of natural stone available in this region and beyond. He will also help us with formulas to figure quantities for any project. Remember, there is a right rock for any situation!

10:15 to
11:15 am

Helpful Advice for Identifying Turfgrasses

Dr. Aaron Patton ■ Purdue University

Grasses are difficult to identify because they all look so similar. In this session, we will learn how to differentiate between turfgrasses by both examining the botanical characteristics, as well as very practical observational tips on the identification of each species.

1 CCH in Category 3B-RT

11:15 am to
1:30 pm

The 32nd Annual Summer Field Day & World Famous Barbecue Luncheon

1:30 to
2:30 pm

The Good, The Bad, and The Hungry

Marne Titchenell ■ OSU Extension

This presentation takes participants through the identification of damage caused by geese, skunks, raccoons, moles, and voles. We will also discuss strategies and tools that can be used to prevent and manage the damage caused by these pests.

1 CCH in Categories 3A-3B-7A-RT

2:45 to
3:45 pm

Curtailing Common Diseases of Cool Season Grasses

Dr. Lee Miller ■ University of Missouri

Homeowners commonly “kill lawns with kindness” during the summer month. This leads to a bloated, wetter turfgrass canopy and higher disease potential. Our discussion will focus on identification and cultural/chemical means of managing lawn problems when a fungus is having a bit too much fun in the summer sun!

1 CCH in Categories 3B -RT

CLASSROOM A

9:00 to
10:00 am

Invasive Aquatic Plants and the Problems They Bring With Them

Brian Isaacs ■ Aquatic Control, Inc.

Native aquatic plants provide many benefits to the aquatic environment of Indiana lakes and . These include fish habitat, sediment stabilization, and water quality improvement. However, when plants from outside their native range are introduced to our aquatic environments, they can become problematic. These invasive species cause problems such as reduced property values, degradation of the fish habitat, and interference with recreational uses. The presentation today will discuss problems that invasive aquatic weeds have caused in Indiana lakes as well as identify current and potential invasive threats to Indiana waters and potential management of these species.

1 CCH in Categories 5 - RT

10:15 to
11:15 am

Beyond Petunias

Chad Franer ■ The Garden at Newfields

The care of summer annuals is a topic that should interest many of those involved in the sale and installation of such plants. Chad Franer is the Director of Horticulture of The Gardens of Newfields in Indianapolis. Annuals provide a great source for long lasting color during the summer. Examples will be shared that provide an impact with foliage, long bloom time, and giving depth to a bedding display. Many of these plants can be reused to provide cost savings on a tight budget.

1 CCH in Category 3A – RT

11:15 am to
1:30 pm

The 32nd Annual Summer Field Day & World Famous Barbecue Luncheon

1:30 to
2:30 pm

Choosing the Correct Herbicide for Bareground

Greg Ressler ■ Red River Specialties, Inc.

Greg Ressler joins us to update the group on selecting the correct herbicide for bareground, brush, and weed control. A good deal of emphasis here will be on avoiding off target issues when using a residual herbicide. The herbicide applications discussed will include treatment of parking lots, drive ways, landscape, and other potentially sensitive areas.

1 CCH in Categories 6 – RT

2:45 to
3:45 pm

Harmful Algae Blooms: Causes and Concerns

Eugene Braig ■ Ohio State University

Today we will discuss the organisms ordinarily responsible for harmful algae blooms, the factors that facilitate a bloom occurring, and why blooms are a cause for concern. An update regarding some recent blooms will illustrate the discussion, and western Lake Erie will provide a useful case study. Finally, we will discuss some practices that can help to reduce the likelihood of blooms"

1 CCH in Category 5-RT

CONFERENCE ROOM

9:00 to
10:00 am

Plant Problems Have You Stumped? Common Abiotic Problems Addressed Here

Dr. Kyle Daniel ■ Purdue University

When something is wrong with your plants and you have ruled out insects or disease, the only thing left is an abiotic problem (non-living). The potential abiotic problems are almost endless, with temperature and moisture extremes, herbicide injury, mechanical damage, and a list of other possibilities. Today we will discuss the most common types of abiotic disorders along with causes, treatment, and prognosis.

1 CCH in Categories 2-3A-3B-RT

10:15 to
11:15 am

Shrinking Large Problems on Zoysia & Devious Soilborne SDS on Bermuda

Dr. Lee Miller ■ University of Missouri

Current research at the University of Missouri has focused on best management practices for controlling warm season disease on high value bermuda grass and zoysia grass. The presentation today will focus on current control methods for spring dead spot bermuda grass and large patch on zoysia grass, with occasional nods to other issues on lawns that may mirror these problems.

1 CCH in Categories 3B – RT

11:15 am to
1:30 pm

The 32nd Annual Summer Field Day & World Famous Barbecue Luncheon

1:30 to
2:45 pm

Using Mother Nature to Time Herbicide Applications

Dr. Kyle Daniel ■ Purdue University

We all know to apply crabgrass pre-emergent herbicide when the forsythia bloom, but have you thought if this works with other plants and weeds? Using a combination of growing degree days and phenological cues, you can predict when the optimum time to apply pre-emergent herbicides for the most effective application. We will discuss how the growing degree days, bud break, and bloom times can help in your decision-making process to accurately predict seed germination of several weed species.

1 CCH in Categories 2-3A-3B-RT

2:45 to
3:145 pm

Botany in The Landscape

Rosie Lerner ■ Purdue University

This presentation will consist of a review of plant anatomy, and physiology that will help you clarify how landscape plants interact with their environment and thus keep us all better informed as to proper plant management.

1 CCH in Categories 2-3A-RT

INDIANA IRRIGATION TECHNICIAN

THURSDAY, August 23, 2018 • 8 a.m. – 5 p.m.

Registration fees include:

- Lunch
- (1) copy of the *Landscape Irrigation System Installation & Maintenance* training manual (\$50 value). Manual will be mailed upon receipt of registration.
- The class day of training



Instructor:

Mr. Keith Schweiger, CIC, CLIA, CID, CIT, CLWM ■ Denver, Colorado

Topics will include:

- Irrigation system overview
- Site inspection
- Installing of a point connection
- Installing/repairing field wiring
- Irrigation concepts
- Winterization
- Drip irrigation
- Proper tools
- Reading blueprints
- Installing main line
- Pipes and friction loss
- Basic hydraulics
- Troubleshooting

No test is offered or required for completion. Each participant will receive a formal Certificate of Completion following The Indiana Irrigation Technician Training Program.

TRAINING PROGRAM

Hendricks County 4H Fairgrounds (1900 East Main Street, Danville, IN 46122)

Please note: Class size is limited and registration will be on a first-come, first-serve basis. The Irrigation Technician Training Program is NOT included in your Summer Field Day registration. You must register and pay separately.

Questions? Call 317.575.9010

2018 INDIANA IRRIGATION TECHNICIAN TRAINING

REGISTRATION: **\$250** (IICC or IPLLA Member) **\$400** (Non-Member)

Non-members may register for member rates by joining IICC or IPLLA for \$150 annually. To do so, go to iplla.com and click **Membership**, pay/join, then register at the Member rate. Preregistration is required for the Indiana Irrigation Technician Training Program. Members or Non-Members may do so online at iplla.com by clicking **Irrigation Technician Training – August 23**. Or, enclose this completed registration form and return with full payment to: IPLLA/IICC, P.O. Box 481, Carmel, IN 46082. Note: Schools, parks, and governmental units may register by sending a purchase order number to: IPLLA/IICC, P.O. Box 418, Carmel, IN 46082

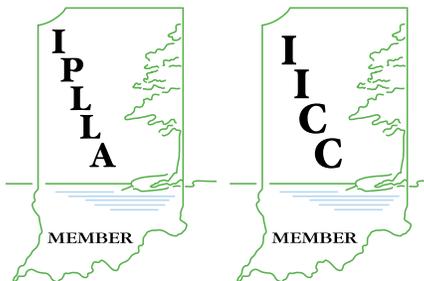
Name: _____

Employer: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone Number w/Area Code: _____



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Indianapolis, Indiana
Permit #9555

REGISTER FOR THE 2018 SUMMER FIELD DAY

IPLLA MEMBER FIRM: 1st person: **\$100**/each; 2nd or more: **\$90**/each

NON-MEMBER FIRM: \$120.00/each

Luncheon is included in price. Please make checks payable to: IPLLA

FIRST NAME _____ LAST NAME _____

JOB TITLE _____

COMPANY NAME _____

ADDRESS: _____

CITY _____ STATE _____ ZIP _____

TELEPHONE NUMBER W/AREA CODE _____

PRIMARY EMAIL ADDRESS *(please print clearly)* _____

PLEASE LIST ALL ATTENDING *(please print clearly)*

FIRST NAME _____ LAST NAME _____

FIRST NAME _____ LAST NAME _____

FIRST NAME _____ LAST NAME _____

NEW! **Governmental Units and School Corporations may register by sending a purchase order to: IPLLA, P.O. Box 481, Carmel, IN 46082**

To ensure timely and proper registration, we encourage you to register online at www.iplla.com. Click on the EVENTS tab and then "2018 Summer Field Day Registration." **Register online to be entered into a drawing to win free attendance to all events in 2019 (1 winner).**

JOIN IPLLA or IICC

Join IPLLA or IICC for just **\$150/year** and attend all events at member rates!

FIRST NAME _____ LAST NAME _____

JOB TITLE _____

COMPANY NAME _____

ADDRESS: _____

CITY _____ STATE _____ ZIP _____

TELEPHONE NUMBER W/AREA CODE _____

PRIMARY EMAIL ADDRESS *(please print clearly)* _____

WHICH BEST DESCRIBES YOUR COMPANY?

(check all that apply)

- Aquatic Weed Control
- Irrigation Contractor
- Pest Control
- Chemical Lawn Care
- Landscape Contractor
- Right-of-way Control
- College or University
- Local or State Gov't.
- School District
- Industry Supplier
- Mowing/Maintenance
- Sports Field Mgmt.
- Institutional Grounds
- Parks Department
- Tree & Shrub Contractor
- Other: _____

We encourage you to visit our website. You can join at www.iplla.com. Click on the MEMBERSHIP tab and then "Join IPLLA Now." We accept Visa, MC and Discover.

Mail Completed Reservation/Application and Payments to: IPLLA P.O. Box 481, Carmel, Indiana 46082
Or, pay online at www.iplla.com and pay with Visa, MC or Discover

