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Join the IPLLA for \$150 per Year and Attend All Events at Member Rates!

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.



MEMBERSHIP APPLICATION

First Name: _____ Last Name: _____
 Job Title: _____ Company Name: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Telephone w/Area Code: _____
 Primary Email Address (please print clearly): _____
 Emergency Contact Name: _____ Telephone: _____

Which best describes your company? (check all that apply)

Join online, or make your \$150.00 Annual Dues Check Payable to IPLLA

- Aquatic Weed Control
- Irrigation Contractor
- Pest Control
- Other _____
- Chemical Lawn Care
- Landscape Contractor
- Right-of-way Control
- College or University
- Local or State Government
- School District
- Industry Supplier
- Mowing/Maintenance
- Sports Field Management
- Institutional Grounds
- Parks Department
- Tree & Shrub Contractor

Mail Completed Applications and Payment to: IPLLA P.O. Box 481, Carmel, Indiana 46082. Or, log onto iplla.com and pay with Visa, MC or Discover

REGISTER FOR THE 2019 WINTER WORKSHOP

To ensure timely and proper registration, we encourage you to register online at our website. You can register at www.iplla.com. Click on the EVENTS tab and then "2019 Winter Workshop Registration." We accept Visa, MC and Discover.

First Name: _____
 Last Name: _____
 Job Title: _____
 Company Name: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Telephone w/Area Code: _____
 Primary Email Address (please print clearly): _____
 In which pesticide categories is your company licensed? _____
 What is your home county? _____

2019 Winter Workshop Registration Fees

IPLLA Member 1st person \$95.00; each additional attendee \$85.00
 Non-Member \$120.00 each
 Total Enclosed \$ _____

Luncheon is included in price. Please make checks payable to:
 IPLLA • P.O. Box 481 • Carmel, Indiana 46082 • (317) 959-1208
www.iplla.com/events

PLEASE LIST ALL ATTENDING (please print clearly) Mail Completed Reservation and Payments to: IPLLA P.O. Box 481, Carmel, Indiana 46082

First Name: _____ Last Name: _____
 First Name: _____ Last Name: _____



2019

INDIANA PROFESSIONAL LAWN & LANDSCAPE ASSOCIATION

Winter Workshop

Tuesday – December 17, 2019

Hamilton County Fairgrounds, Noblesville, IN

Technically Oriented Program • Annual Luncheon Included • Continuing Credit Hours

Pesticide Applicator License Renewals: Around the first of November, all commercial pesticide applicator license holders will receive their renewal information for 2020 from the Office of Indiana State Chemist. We urge you to open that letter immediately to be sure where you stand as far as required Continuing Credit Hours (CCHs) going into the end of the year.

Continuing Credit Hours: Below is a listing of approved CCHs for our December 17th Winter Workshop in Noblesville. Read over this list and see which categories apply to you and if you need hours before the end of 2019 or simply want to stay ahead with your re-certification requirements. The Winter Workshop is an excellent educational program and a great way to review the past season as we prepare for next year.



Category 2	Forestry	4 CCHs
Category 3A	Ornamental	4 CCHs
Category 3B	Turf	4 CCHs
Category 5	Aquatics	3 CCHs
Category 6	Right-of-Way	3 CCHs
Category 7A	Pest Control	2 CCHs
Category 8	Mosquito Control	2 CCHs
Category RT	Registered Technician	4 CCHs



www.iplla.com

2019 **IPLLA** Winter Workshop

WELCOME TO THE HAMILTON COUNTY FAIRGROUNDS & EXHIBITION CENTER!

HOME OF THE IPLLA WINTER WORKSHOP

The Hamilton County Fairgrounds is located at 2003 Pleasant Street in Noblesville, Indiana 46060. This location is one block west of Indiana S.R. 37 at the intersection of Pleasant Street and Clover Road.

SCHEDULE FOR DECEMBER 17, 2019

8:00 am **Registration Desk Opens**

9:00 am to 10:00 am **The 2019 Growing Season in Review**

Dr. Cale Bigelow, Purdue University ■ 1 CCH in Categories 3B, RT

Ok! So here we go again! 2019 saw relentless rain that did not stop until the very last week of June. Near record numbers of rain days and heavy ones at that. Then it stopped. And we mean stopped. With few exceptions, the weather remained abnormally hot and very dry throughout the summer. Cale Bigelow returns with some insight into what happened and how it affects us. Look for surprises as this article was written in early October and who knows what will happen this fall?

10:00 am to 11:00 am **Mixing Chemicals for Compatibility and Effectiveness**

Dr. Fred Whitford, Purdue Pesticide Programs ■ 1 CCH in Categories 2, 3A, 3B, 5, 6, 7A, 8, RT

It is common practice to combine multiple crop protection products into a single spray application. This practice is called tank mixing and offers many benefits. However, each formulated product has a set of diverse, intricate, and complex chemical structures. As a result, each additional tank mix partner increases the potential of incompatibilities (negative interactions). Incompatibilities arise when one product influences the mixing and delivery of the products in that mixture. Obviously, incompatibility is undesirable. This presentation will focus on how formulation, tank mixing order, and carrier type (i.e. water or fertilizer) influence compatibility between products. Understanding the basics underlying these factors will help to effectively combine crop protection products to maintain productivity and efficacy.

11:00 am to 12:15 pm **IPLLA Annual Meeting & Luncheon (2019 Scholarship Awards)**

12:15 pm to 1:15 pm

What's Killing Our Trees? The Top Three Reasons Revealed

Lindsey Purcell, Purdue University ■ 1 CCH in Categories 2, 3A, RT

Why aren't trees living longer in the built environment? Too often it is the result of environmental extremes, poor planning, design, or management. The presentation today will discuss the top issues considered most detrimental to sustainable tree plantings and how to develop longer-lived trees in the landscape and the urban forest.

1:15 pm to 2:15 pm

Spray Adjuvants to Enhance Control of Pesticides

Dr. Fred Whitford, Purdue Pesticide Programs ■ 1 CCH in Categories 2, 3A, 3B, 5, 6, RT

Think of the pest as the bull's-eye on a target. The basic premise is that the application will get the highest scores when the right rate of the pesticide is delivered directly to the center of the bull's-eye. Not understanding the relationships between water, the leaf surface, pesticide, and poor application equipment can result in the application hitting one of the concentric circles surrounding the bull's-eye. Adjuvants can improve the biological performance of the pesticide by modifying the spray pattern, droplet, or deposit properties (spray quality) up to and including the rate of movement of the pesticide into the plant (uptake and penetration). The results of the application may be marginally acceptable, but adding the right adjuvant might have redirected the spray droplets back to the center target. Running interference for the spray droplet, adjuvants can help the spray mixture to score the winning touchdown every time.

2:15 pm

Break

2:30 pm to 3:30 pm

Not Just a Nuisance – What Lawn and Landscape Should Know and Do to Protect Themselves from Potentially Harmful Insects

Dr. Tim Gibb, Purdue University ■ 1 CCH in Categories 2, 3A, 3B, 5, 6, 7A, 8, RT

Every year new diseases arise that are transmitted by mosquitos and ticks. 2019 was no exception. This presentation will explore the potential arthropod dangers that landscape managers face while on the job. What to be aware of, how to prevent exposure, how to work this into your schedule of managing landscape plants and turfgrass, symptoms of disease transmission, first aid, and control options are all covered. Materials will be presented that should become part of weekly maintenance and safety meetings during the growing season. Personnel safety is professionalism!

3:30 pm

Winter Workshop Concludes

