

Recertification Training

Tuesday, January 31, 2023

Boone County Extension Office

6028 Camp Ernst Rd Burlington KY 41005



AGENDA

8am	Eric Ham (FMC)	The ABC's of Mosquitos.... Adversary, Biology, Control
9am	Ernest Schoonover (Bell Labs)	Rodent and Vertebrate Pest Management
10am		BREAK
10:10am	Mike Leahy (ENVU)	Stinging Insects
11:10am	Johnalyn Gordon MS (UK)	Arachnids "A to Z"
12:10pm		LUNCH
1pm	Ben Grady (FMC)	German Cockroaches
2pm	Nick Iverson (BASF)	Termite Management
3pm	Brad Smith (KY Dept of Ag)	Regulatory Update—Record Keeping, New Laws & Regulations

CEU's for KY and surrounding states

\$75 for KPMA members

\$95 for non-members

After January 24, 2023 price increases to: \$100 for KPMA members \$120 for non-members

Cost includes all course materials, lunch and snacks

Registration Deadline/Cancellation Policy:

Registration due by Friday, January 27, 2023. No refunds will be issued after this deadline.

Substitutions may be made at any time.

Questions or for more information, contact Tracy:

(502) 208-6363

kpmacoordinator@gmail.com

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REGISTRATION

Online registration available at www.kpmaonline.org

Company Name: _____ KPMA Member: Yes No

Mailing Address: _____

City, State, Zip: _____

Phone: _____ Email: _____

Contact Person: _____

Attendee Name:	Certification #	State of Certification:
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Certification # and State of Certification are required for CEU's to be awarded.

Attach a 2nd page with additional attendees, if needed.

Total # of Attendees: _____ = \$ _____

Payment Method: Check Credit Card

Card #: _____ Exp Date: _____ CVV Code: _____

Cardholder's Name: _____

Signature: _____

Checks Payable to: Kentucky Pest Management Association

Return form to: PO Box 32454 Louisville, KY 40232 or kpmacoordinator@gmail.com

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Detailed Agenda



The ABC's of Mosquitos.... Adversary, Biology, Control

8:00am – 9:00am **Eric Ham (FMC)**

Eric Ham is a Paducah, KY native who holds a Bachelor of Science degree in Agriculture (Entomology) from the University of Kentucky (1980) and has been involved in the pest management industry for over 40 years. He currently holds a pest control license for the state of Kentucky and is a certified applicator for the states of Kentucky and Ohio with categories including General Pest and Termite, IPM, and Wood Destroying Insect Diagnostic Inspection (WDI). His career has included working as a pest control and termite technician for Allrite Pest Control in Lexington, KY for two years and as an entomology research technician in insect physiology for two years at the University of Kentucky. Eric has over 40 years of experience in pest control product distribution and manufacturing. He is a member of Pi Chi Omega, the professional pest control fraternity. He is employed by FMC Corporation as a Market Specialist and has been with the company for 10+ years working in the Gulf South/Southeastern areas of the country.

With the recent increase in outbreaks of West Niles Virus (WNV) more emphasis is being placed on identification and reduction of mosquitoes in the urban environment. The better your understanding of this pest and where IPM principles can be applied the more successful PMP's will be in control. The biology of the normally encountered pest species of mosquitos found in the urban environment will be discussed and how we can incorporate that knowledge into formulating an IPM based control plan for reduction of this pest insect. PMP's are also facing a rapidly changing landscape of new products and concepts to gain control of the pest. This presentation will cover the latest products and concepts to help PMP's achieve success in urban mosquito control.

Rodent and Vertebrate Pest Management

9:00am – 10:00am **Ernest Schoonover (Bell Labs)**

Ernest Schoonover currently holds the position of Central Technical Sales Representative for Bell Labs and is responsible for the territory management of our East Central Region including Michigan, Indiana, Ohio, Kentucky and Tennessee. Mr. Schoonover gained previous experience within agricultural and pesticide-related industries. He taught at Clemson before going to work for their Department of Pesticide Regulation. He has years of experience working within the field to complete business inspections and identify solutions tailored specifically to meet customer needs. Mr. Schoonover has presented numerous presentations to the pesticide industry, throughout the Southeastern United States during his career.

Mr. Schoonover will discuss rodent and vertebrate biology and identification, proper use of pesticides and techniques to manage rodent populations in industrial, commercial and residential settings to include borough baiting and trapping away from structures, and baiting and trapping in and around man-made structures, with minimal risk to people, pets and the environment. Behavior, biology and life cycle of rodents and vertebrate pests will also be covered. Discussion of old and recent technologies and chemistries will help Pest Management Professional's manage rodents and vertebrates in their day-to-day operations. He will emphasize his expertise in the use of Integrated Rodent Management tools for more effective rodent control for Public Health, including use of mechanical devices and sanitation in the implementation of Integrated Pest Management Principles for effective rodent control in structural and industrial rodent infestations.

Break

10:00am – 10:10am

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Stinging Insects

10:10am - 11:10am

Mike Leahy (ENVU)

Mike Leahy received his BA from the University of Illinois in 1985. In early 2021, he joined the team at Bayer Crop Science as the Area Sales Manager throughout the Midwest. Mr. Leahy has over 30 years of experience in the vector control industry. He has served as director, vice president and president of state associations in Georgia and Alabama as well as being a member of several state/national associations. Mr. Leahy has produced and presented training classes that lead to licensure and/or CEU's in the following states: MN, IA, MO, WI, IL, MI, IN, OH, KY, TN, GA, AL, FL, NC, SC, CT, MA and VA.

Mr. Leahy will discuss stinging insects and the utilization of a holistic approach to control including IPM. As an industry, pest management professionals are leaders in incorporating Integrated Pest Management Principles into everyday practice initiating a more judicious use of pesticides. These same principles make up a "holistic approach" to stinging insect management through the utilization of tools including chemical and biological controls, adulticides and harborage reduction including structural modifications and repairs. Identification of stinging insects, biology and habits are of critical importance in any management program and will also be addressed. The overall program goal is to assist technicians and managers in maintaining public health standards through stinging insect control including Honey Bee protection for the clients' peace of mind.

Arachnids "A to Z"

11:10am – 12:10pm

Johnalyn Gordon (University of Kentucky Entomology)

Johnalyn Gordon is an entomology PhD candidate working under the direction of Dr. Zachary DeVries at the University of Kentucky. She earned her B.S. in Wildlife Ecology and Conservation, with a minor in Entomology, at the University of Florida. She also earned her M.S. in Entomology from the University of Florida. Ms. Gordon has presented over a dozen talks at both industry and academic conferences, including research on termite biochemistry and symbionts and histamine production in bed bugs. She has also given extension talks on bed bug control and the biology of wood destroying organisms. Many of her research projects received supplemental funds via industry and institutional grants and scholarships. Ms. Gordon's career trajectory in urban entomology is motivated by her drive to help others by mitigating the threats urban pests pose to human health, peace of mind and overall quality of life. By applying a basic understanding of pest biology and behavior in light of the challenges of insecticide resistance and human health impacts, she aims to improve both the efficacy and affordability of pest management strategies, making them more accessible to disadvantaged and underrepresented people.

Ms. Gordon will review and discuss general arachnid biology and identification of specific groups found in Kentucky and surrounding states. She will delve into management tools, including utilizing the natural habits of spiders against them to achieve control. This talk will equip pest management professionals with identification tools and an understanding of arachnid species found in and around the home, which will help them to implement the most effective management strategies and be equipped to relay relevant information to customers.

Lunch

12:10pm-1:00pm

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German Cockroaches

1:00pm – 2:00 pm **Ben Grady (FMC)**

Ben Grady is an MS Student in the DeVries Urban Entomology Lab at the University of Kentucky. He received his BSES in Entomology and his BS in Biology from the University of Georgia, where he primarily worked on black fly research at the State Botanical Gardens. His current research involves investigating repellent properties of different bed bug products. Mr. Grady plans to continue research in Urban Entomology throughout his graduate career.

German cockroaches are both a classic pest and a changing one. Mr. Grady's talk will focus on many aspects of German cockroach biology, life history and management. The talk will cover where the problem originated, why these pests have been so successful and a discussion on the most useful and popular control strategies for these cockroaches.

Termite Management

2:00pm – 3:00pm **Nick Iverson (BASF)**

Nick Iverson has a BS in Agricultural Economics and Business from the University of Tennessee, Knoxville, 1992. His current position at BASF is Sales Specialist Professional Pest Control, which he has held for the past 10 years. He currently covers Tennessee and Kentucky (and formerly Mississippi). Mr. Iverson has monitored and evaluated Experimental Use Permit (EUPs) test sites in nine states for Phantom in 2001 and he provides sales support and product training on termites, ants, roaches and general pest control to PMPs. He is currently approved by the TN, KY, MS & GA Departments of Agriculture as a speaker / trainer.

Subterranean termite biology, colony behavior and treatment strategies using new technologies that have recently been introduced will be presented. Mr. Iverson will discuss proper inspection techniques and appropriate termiticide application for the treatment of wood destroying organisms. He will also include a detailed presentation on the biology, habits and control of termites utilizing new chemical formulations. Mr. Iverson will differentiate Termiticide compounds to include a brief history of older chemistries to the newer more environmentally sound chemistries.

Regulatory Update – Record Keeping, New Laws and Regulations

3:00pm-4:00pm **Brad Smith (Kentucky Department of Agriculture)**

Brad Smith currently serves as the Pesticide Licensing and Compliance Branch Manager for the Kentucky Department of Agriculture and has been with the Pesticides Division for 10 years. Mr. Smith also has over 10 years experience in the turf grass industry serving as the Assistant Sports Turf Manager for the Louisville Bats from 2001-2005 and was a founding member of the Kentucky Sports Turf Managers Association.

Mr. Smith will explain processes of regulatory inspections and proper documentation pertaining to KDA inspections, as well as federal EPA regulations and guidelines concerning state efforts in pest and turf industries. The talk will include current laws and regulations applying to structural pesticide and turf application in Kentucky, including licensed applicators from surrounding states working in Kentucky. The presentation will also include an update of current topics at the KDA including a website overview to receive information. Mr. Smith's primary focus will address the current laws and regulations affecting the Pest Management Industry and assist technicians, managers and owners in regulatory compliance.

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