

# Recertification Training

Wednesday, February 1, 2023

Hardin County Extension Center  
111 Opportunity Way Elizabethtown KY 42701



## AGENDA

8am	Mitch Hoering (MGK)	Mosquito Biology and Control
9am	Ernest Schoonover (Bell Labs)	Rodent and Vertebrate Pest Management
10am		BREAK
10:10am	Nick Iverson (BASF)	Termite Management
11:10am	Dr Angela Sierras (UK)	Bugs that Pack a Bunch: Bees, Wasps, Ants & Stinging Insects
12:10pm		LUNCH
1pm	Isabelle Lucero (UK)	Cockroaches
2pm	Mike Leahy (ENVU)	Tick 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: \$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](http://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 [kpmaordinator@gmail.com](mailto:kpmaordinator@gmail.com)**

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## Detailed Agenda



### **Mosquito Biology and Control**

**8:00am – 9:00am**

**Mitch Hoerig (MGK)**

Mitch Hoerig currently serves as the Central Eastern Sales Representative at MGK. He started his career with MGK in May of 2022, as a recent graduate from the University of Akron with a double major in Sales and Marketing Management and a minor in Finance. He brings a great attitude to the pest management industry and knowledge of how pest management companies operate. He is growing and learning new things everyday thanks to the wonderful technical and marketing teams within MGK. Mr. Hoerig is utilizing the wealth of technical resources and training at MGK to assist pest management technicians, managers and owners in everyday operations.

There are approximately 200 species of mosquitoes in the United States, with around 50-60 species in Kentucky. While only a few of these mosquitoes are a significant nuisance or public health pest, they are extremely annoying and do pose the risk of disease transmission. This presentation will discuss how and where mosquitoes breed, the role they play in disease transmission, what can be done to reduce their numbers in and around the home and how to protect yourself and your customers from bites.

### **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. Behaviors, biology and life cycles 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.

### **Termite Management**

**10:10am - 11:10am**

**Nick Iverson (BASF)**

Mr. 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.

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### Termite Management

10:10am - 11:10am

Nick Iverson (BASF)

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.

### Bugs That Pack a Punch: Bees, Wasps, Ants, and other Stinging Insects

11:10am – 12:10pm

Dr. Angela Sierras (University of Kentucky Entomology)

Dr. Angela Sierras began her bachelor's degree in Zoology at Cal Poly Pomona. She later transferred to North Carolina State University where she graduated with a B.S. in Zoology in 2011. She attended graduate school at North Carolina State University, where her research focused on effective treatment strategies for bed bugs. This included investigating the potential for a novel ingestible bed bug bait. Her other research involved IPM in hog farms for German cockroach eradication, as well as insecticide resistance in bed bugs and German cockroaches. While in graduate school, Dr. Sierras assisted in teaching the technician certification course for the State of North Carolina at their annual Pest Control Technicians' School. She received her doctorate from North Carolina State University in 2018. She then served as the Technical Director for McNeely Pest Control in Winston-Salem, NC after graduating. Currently, she is a Research Scientist at the University of Kentucky working in Dr. Zachary DeVries' Urban Entomology Lab. Dr. Sierras has always been passionate about working with the pest control industry and improving on IPM strategies for pest management.

Stinging insects are awesome; some are even very beneficial. However, they are not always everyone's favorite category of pest to treat. In this session, Dr. Sierras will discuss multiple species of stinging insects focusing on their biology, behaviors and social structures. Understanding these various aspects of a bug's life, as well as the different treatment tools available to pest management professionals will lead to safe, effective and successful control of these insects.

### Lunch

12:10pm-1:00pm

### Cockroaches

1:00pm – 2:00pm

Isabelle Lucero (University of Kentucky Entomology)

Isabelle Lucero is a 2nd year master's student at the University of Kentucky in the DeVries Urban Entomology Lab. She completed her B.S. in Environment and Natural Resources with a minor in Entomology at Clemson University. Currently she is studying cockroaches and investigating how cockroach gel baits perform over time and in different environments. Ms. Lucero has always been interested in insects and takes pride in the fact that her research will not only help PMPs perform more sustainable cockroach control but will also improve human health through the management of indoor cockroaches. After graduation, she wants to enter the industry to continue her goal of helping the public through pest management.

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### Cockroaches

1:00pm – 2:00pm

Isabelle Lucero (University of Kentucky Entomology)

Cockroaches have been associated with humans since the time of cave dwellers. These omnivorous scavengers are found worldwide and have features that allow them to live amongst humans. With high reproductive rates and available shelter in any human dwelling, it is no surprise that cockroaches are still considered a major pest despite all the advances in technology and pesticides. As we continue our efforts to manage these pests, we have seen high increases in resistance to many indoor products. In this session, attendees will learn about the cockroach species they are likely to encounter in this region, with a focus on German cockroaches. The session will include identification, inspection, resistance and the products available that can help to perform safer and more sustainable cockroach control.

### Tick Management

2:00pm - 3:00 pm

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 ticks, focusing on their re-emergence in the last 5 years and the utilization of a holistic approach to control. 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 tick management through the utilization of tools including chemical and biological controls with insect growth regulators, adulticides, and harborage reduction including noxious weed removal. Identification of ticks, biology and habits are of critical importance in any tick management program and will also be addressed. The overall program goal is to assist technicians and managers in maintaining public health standards through vector control and tick management for clients' peace of mind.

### 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. 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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