



OHIO PEST MANAGEMENT ASSOCIATION
Training Workshop
September 21, 2022



7:30 am

Registration Opens

8:00 am

Welcome & Introductions

Patrick Boland, Scherzinger Pest Control

8:15 am - 9:15 am

Basic Principles in Pest Control (CORE)

Mike Wedding, Scherzinger Pest Control

Speaker Bio:

Michael is the Technical Director for Scherzinger Pest Control. As Technical Director, Michael develops and implements training for field technicians. Michael has been in the industry for 12 years previously as a technician, and field supervisor. He is an Associate Certified Entomologist (A.C.E.) and is a member of the Entomological Society of America.

Course Description:

Basic principles in Pest Control

Knowledge- understanding the different pest and importance of Pest Identification. Inspection-Proper techniques and use of monitors. We will discuss the basics of IPM and how to put a treatment plan into action. We will look at the following aspects of IPM Sanitation- Identifying food and moisture sources. Exclusion- Finding entry points. Pest control options and failures- How and when to use each type of control measure. This will include a complete review of pesticide labeling, review of PPE requirements and discuss environmental issues we need to be concerned about while making applications indoors and outdoors

9:15 am - 10:15 am

Flies and Forensic Indicators (10a)

Correy Hildebrand, MGK

Speaker Bio:

Correy Hildebrand is currently the Technical Field Representative for the mid-west and north-east US territories for MGK Insecticides. She has her BS in Biological Sciences and her MS in Entomology from the University of Minnesota. She is currently working on her PhD in Entomology at the University of Minnesota.

Course Description:

In this course (1 hour), we will discuss common urban fly pests by reviewing their biology and behavior. We will cover fly anatomy and physiology, life cycle, and focus most of our attention on their breeding habitats. We will also discuss how flies are used as forensic indicators. The presentation will conclude with a review of inspection, sanitation, and habitat modification best practices as well as offer time for scenario discussion and Q&A if time allows.

10:15 am – 10:30 am

Break

10:30 am - 11:30 am Rodent Biology, Behavior, & Management Practices (10a)

Ernie Schoonover, Bell Labs

Speaker Bio:

Clemson University BS, MA Ag ed., MBA concentration in Service industry Strategy

- Clemson University
 - 2003-2005 Clemson University Extension
 - 2005-2007 12 Month teaching contract in Agro Business and Golf Course Technology
 - 2007- 2022 Clemson University Dept. of Pesticide Regulation, Supervised the Structural

Regulatory Compliance Program, EPA and SC Investigator credentialed.

- Worked 1000+PMPs guiding them through regulator and technology changes for termite treatment products, commercial bed bug technologies and municipal mosquito control.
- Instructor for Clemson Extension Urban Entomology Master Termite Technician School.
- 2012 Became SC State Constable Led or part of teams investigated criminal agriculture sabotage, real estate fraud and homicide by pesticide for the Clemson University Regulatory Criminal Investigation Program.

Course Description:

This one-hour course will focus on reproduction, feeding and habitat management of domestic rodents. We will cover public health concerns and rodent damage to food and property and then review basic identification and life cycle characteristics. A major focus of the course is to discuss and outline the importance of a proper inspection and exclusion and sanitation techniques. We will then move into understanding baiting options and best practices and conclude with tips for communicating with your customer and follow-up timelines.

11:30 am – 12:30 pm Lunch

12:30 pm - 1:30 pm Termite Biology and Control (10b)

Dr. Jason Meyers, BASF

Speaker Bio:

Dr. Meyers currently serves as Pest Control Solutions Market Development Specialist for BASF Corporation, agricultural products, specialty products division and has served with BASF since 2008. From 2005 to 2008, Dr. Meyers performed graduate research and Teaching Assistant Duties at Texas A& M University, Department of Entomology, Urban and Structural Entomology Lab under Dr. Roger Gold. He obtained his Master of Science in Entomology from the University of Arkansas in 2004 and his Doctorate in Entomology from Texas A&M University in 2008. Dr. Meyers has published findings and articles in industry Journals and spoken throughout the United States at Recertification Meetings and Training Seminars.

Course Description:

I. Introduction of Topic (3-5 minutes)

Importance of understanding biology, behavior and conducive conditions and Reading and Following all product labels for control.

II. Subterranean Termite Biology (5-8 minutes)

Life cycle, Common Species, General ID

III. Subterranean Termite Behavior (8-10 minutes)

Social Structure, Foraging Behavior

IV. Termite Inspection Techniques (10-15 minutes)

Topic will include a review of basic IPM inspection principles (Conducive Conditions, Building Construction/Foundation Types, and other tips & best practices for conducting a proper termite inspection. Safety reminders to applicators for performing a SAFE inspection and being prepared with all appropriate PPE.

V. Control Options (25-30 minutes)

Advantages and Disadvantages of various termite treatment options to include label "Direction for Use" on specific Baits and Liquid Termiticides. This section will cover PPE requirements as well as mixing, calibration, applying product, and disposing of any unused materials. Ground water protection and other environmental impacts for each product discussed will be covered. Equipment requirements and application techniques will be reviewed as well. Discuss rules and regs related to termiticide applications.

VI. Q&A* (2-3 minutes or remaining time)

1:30 pm – 2:45 pm

Break

2:45 pm - 3:45 pm

Mosquito Biology & Best Practices (10d)

Thomas Powell, MGK

Speaker Bio:

Thomas (Tommy) Powell joined MGK Insect Control Solutions as a Technical Field Specialist in 2016. He received his B.S and M.S. degrees in Urban Entomology from the University of Florida. Prior to working at MGK, Tommy worked sixteen years in the pest management industry. He worked as Technical Director for three top 100-pest control companies. He also held the position of Branch Manager for one of those companies for five years. That experience in operations changed his perspective on the pest management industry, as he realized the value of strong training programs for operators.

Course Description:

Approximate Training Time: 1hour

Outline:

I. Introduction

II. Why Is Mosquito Control Important?

- a. Disease Transition
- b. Nuisance Abatement
- c. Add on Service

III. Understanding the Mosquito

- a. Life Cycle
- b. Activity
- c. Ades
- d. Anopheles
- e. Culex
- f. Male vs Female

IV. Inspections

- a. Potential Breeding and Harborage Sites

V. Pre-Treatment

- a. Equipment Selection
- b. Maintenance

VI. Treatment

- a. Pyrethroids and How They Work
- b. IGRs and How They Work
- c. PBO
- d. Resistance
- e. Common Treatment Areas

VII. What you cannot treat!

- a. Natural Bodies of Water
- b. Fish
- c. Food surfaces

VIII. Helpful Points to Remember

IX. Closing and Wrap-up

- a. Questions