

2024 Commercial Pesticide Applicator Training Workshop

Wednesday, November 13, 2024 – 8:00am-5:00pm

Sedgwick County Extension Education Center, 4-H Hall (7001 W. 21st Street North, Wichita, KS 67205)

Hosted By K-State Research & Extension, Sedgwick County – Matthew McKernan, Horticulture Agent

AGENDA

8:00-8:55am
(1 hour core credit)
(1 ISA credit hour)

KDA Core Hour

Presented by: Kent Spor, Environmental Compliance & Regulatory Specialist, KDA

Presentation Description:

This presentation will update the audience on laws and regulations for commercial pesticide applicators in Kansas.

8:55-9:50am
(1 hour 3A & 3B)
(1 ISA credit hour)

Diagnosing Turf & Landscape Problems with Extension Resources

Presented by: Matthew McKernan, Horticulture Agent, K-State Research & Extension
- Sedgwick County

Presentation Description: This presentation will address how to leverage Extension resources effectively to diagnose and resolve common lawn and landscape issues. This presentation will explore practical tools and resources available through Extension that can help identify and address problems with pest management, plant diseases, and weed control. Plan to practice with these resources hands-on, using real-world scenarios to enhance your abilities. Gain insights into how to access and interpret resources to enhance the health and aesthetics of your green spaces.

9:50-10:10am

BREAK

10:10-11:05am
(1 hour 3A & 3B)
(1 ISA credit hour)

Landscape & Turf Disease Update

Presented by: Judy O'Mara, Director of K-State Plant Disease Diagnostic Laboratory K-State – Manhattan, KS

Presentation Description: Judy O'Mara will present on plant health problems unique to Kansas. Environmental conditions are ever changing, providing various diseases and plant problems that are favored by each year's mix of conditions. This talk will cover the hot topic diseases from 2024 of turfgrass, trees, and shrubs statewide.

11:05am-12:00pm
(1 hour 3B)

Impact of Cultural Practices on Brown Patch Disease in Turf

Presented by: Dr. Jack Fry, KSU Professor & Commercial Turf Extension Specialist, K-State – Olathe, KS

Presentation Description: Dr. Fry will discuss several cultural management factors that can influence brown patch disease on several turfgrass species. He will discuss recent research at K-State and other universities that demonstrate how this disease is influenced.

12:00-1:00pm

LUNCH

12:00-1:00pm
(0.5 hour 3A & 3B)
(0.5 ISA credit hour)

Identify the Pest Activity (Optional Lunch Hour Activity)

Organized by: Judy O'Mara, Director of K-State Plant Disease Diagnostic Laboratory K-State – Manhattan, KS

Over the lunch hour, participants will have the opportunity to test their knowledge identifying real-life landscape and turfgrass disease problems. Participants will utilize their "Tree & Shrub Problems In Kansas" publication, as well as other Extension resources, in order to practice identifying the turf & landscape pests from the samples provided. Participants will be provided a quiz sheet to document their answers as they complete the exercise. This activity can be completed only one time during the workshop, for a total of 0.5 hr credit of 3A & 3B. Participants must start the activity no later than 12:30pm for credit. Judy O'Mara and additional staff will be present to monitor the activity and instruct participants.

1:00-1:55pm
(1 hour 3A)
(1 ISA credit hour)

Lace Bug: An Underappreciated Insect Pest of Horticulture Crops

Presented by: Dr. Raymond Cloyd, KSU Professor & Extension Entomology Specialist, K-State - Manhattan

Presentation Description: Dr. Cloyd will discuss the biology, ecology, feeding behavior, and damage caused to horticultural crops associated with lace bugs. He will then address the various management strategies that can be implemented to protect horticultural plants from lace bug damage.

1:55-2:50pm
(1 hour 3A & 3B)
(1 ISA credit hour)

Factors Affecting Preemergence & Postemergence Herbicide Failure

Presented by: Dr. Dani McFadden, Tech Services Specialist, PBI-Gordon

Presentation Description: This presentation will cover the many factors that determine herbicide efficacy of preemergence & postemergence herbicides. The audience will learn about the three main factors (soil, herbicide properties, and climatic conditions) that impact preemergence and how they interact with one another to affect herbicide persistence. They will also learn how to determine what factors (including rate, calibration, and cultural practices) can affect weed control when using postemergence products.

2:50-3:10pm

BREAK

3:10-4:05pm
(1 hour 3A & 3B)
(1 ISA credit hour)

Invasive Insects of Concern

Presented by: Rachel Wilkins, State Entomologist, Plant Protection & Weed Control - KDA

Presentation Description: This presentation will cover which invasive species pose a significant threat to the agricultural and natural resources of Kansas. The KDA routinely monitors for these pests, but the public can play an important role in detection. This presentation will also cover methods of identification and the biology of several invasive insects, including spotted lanternfly, red imported fire ants, and box tree moth.

4:05-5:00pm
(1 hour 3A & 3B)
(1 ISA credit hour)

Sprayer Calibration & Tank Mixing

Presented by: Paul Kear, Pump Sales Specialist, Fairbank Equipment, Wichita

Presentation Description: This presentation will cover application equipment, including pumps, tanks, nozzles, and calibration for agriculture, industrial, and turf applicators.