

**2024 ODOT-OSU Herbicide Applicator
CEU Workshop Schedule***



<u>Date</u>	<u>District & Location</u>
February 13 & 14	District 3 – Ada, HQ
February 21 & 22	District 7 – Duncan, HQ
February 29	District 1 – Indian Capital Technology Center, Muskogee
March 5 & 7	District 4 – Perry, HQ
March 12 & 13	District 2 – Antlers HQ
April 4	District 5 & 6 –High Plains Technology Center, Woodward
April 9 & 10	District 8 – Tulsa. HQ

*All classes are approved for Category 6 (Right-of-Way). Portions of this program are approved for Category 1A (Ag Plant), Category 3a (Ornamental & Turf), Category 5 (Aquatic), Category 10 (Research & Demonstration), and Category 16 (Private Applicator).

Websites:

OSU Turfgrass & RVM: www.turf.okstate.edu
Mesonet Weather: www.mesonet.org
ODAFF Pesticides: <https://ag.ok.gov/pesticides/>
Oklahoma Vegetation Management Association:
<https://okvma.com/>
Kelly Solutions: <https://www.kellysolutions.com/ok/index.asp>

**38th Annual ODOT-OSU Herbicide
Applicator CEU Workshops**

2024

**Oklahoma Department of Transportation &
Oklahoma State University/Oklahoma
Cooperative Extension Service**

Presented by:
Andrea Connally, PhD; David Gerken, MS; and
Dennis Martin, PhD

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8:30 - 9:20 am *Use of Adjuvants in Herbicide Programs,*
David Gerken

The primary focus of the program is on the use of adjuvants in herbicide programs. Special attention will be given to the classification of adjuvants and their modes of action. Both activators and utility modifiers will be covered. Participants will gain an understanding of the importance of adjuvants in herbicide applications and learn how adjuvants work to enhance the activity of foliage-applied herbicides. In addition, they will gain knowledge on the effective use of adjuvants in herbicide programs and how to properly mix adjuvants with various herbicides. OK20240051: Cat. 1A, 3A, 5, 6, 10

9:20 – 9:30 am **BREAK**

9:30 – 10:20 am *Overview of the Candidate Conservation Agreement with Assurances for the Monarch Butterfly,*
Dr. Andrea Connally

This talk will focus on the effects of herbicide programs on the variability and abundance of forbs and how to develop an herbicide program for the promotion of pollinator habit that is consistent with the goals outlined in the Monarch Candidate Conservation Agreement with Assurances. Commercial, Individual landowners, public land managers, and Private landowners/managers can enter into this agreement with US Fish and Wildlife. FAQ: Candidate Conservation Agreement with Assurances for the Monarch Butterfly | U.S. Fish & Wildlife Service (fws.gov). OK20240070: Cat. 6, 10

10:30-11:20 am *Deep Dive into Problematic Weeds in the Right-of-Way, David Gerken*

This presentation focuses on identification and control of Kochia, Russian thistle, marestalk, sandbur and puncturevine in the Right-of-Way. Herbicide surveys conducted by the OSU RVM Team found that these plants continue to be problems for ODOT maintenance engineers and district supervisors. The presentation covers key identifying characteristics of these weeds and discussion on how to develop herbicide programs for their effective control. OK20240071: Cat., 6, 10

11:30am - 1:00 pm **Lunch Break**

1:00 - 3:00 pm *Math Applications used in Herbicide Calibration, Dr. Andrea Connally*

Focus is given to the basic principles of calibration including calculating tank mixes, following label rates, proper identification of label rates based on use sites, importance of speed monitoring during application, and how to calculate a target speed based on the gpm captured during the calibration process. This talk will be followed by a hands-on calibration of a sprayer. OK20240072: Cat. 3A, 5, 6, 10

3:00 pm **Closing Comments & Adjourn**

Speakers:

Dr. Andrea Payne Connally: *Extension Program Educator at Oklahoma State University since January 2018. She earned her PhD in Plant Pathology in December 2017 and Master of Public Health in Epidemiology in December 2009. She has been an invited speaker at numerous conferences in Oklahoma in Fine Turf and the right-of-way environment with the Oklahoma Dept. of Transportation.*

David Gerken: *His career in the Turfgrass Industry has spanned over 30 years. He holds a Bachelor of Science degree from Kansas State University in Vocational Education and a Master of Science degree from Oklahoma State University in Horticulture with an emphasis on Turfgrass Science. Early in his career David worked in the golf course industry prior to accepting a faculty position at OSU-OKC campus. For the next 20 years David taught turfgrass management, soils, irrigation design & installation as well as other horticulture classes. In May 2019 joined the turfgrass science group at Oklahoma State University in Stillwater where he currently is an Extension Program Educator working on Roadside Vegetative Management and Turfgrass.*