

**National Right-of-Way Applicator Live Webinar Agenda
November 10, 2022 and December 8, 2022**

Note - ALL times are Mountain Time		
7:30-8:00	Webinar Open	
8:00-8:15	Join Webinar	Trouble shoot
8:15-8:30	Cut-off for signing in	Pre-recorded video – how this webinar will work (i.e., polls, chats, Q&A) and how CEC submission and Certification of Completion will occur
8:30-9:30	Using Herbicides and Following the Label	Sandra McDonald, Mountain West PEST Using pesticides legally requires that the applicator must read, understand and follow the label. FIFRA (40 CFR, Part 170.305) defines use as more than just applying pesticides; the aspects of legal “use” will be covered. Not everything an applicator needs to know is on the label, many states go beyond FIFRA in their requirements. The importance of following the label during all the steps in use will discussed.
9:30-9:40	BREAK	A voiced “call-back” will occur at 60 seconds and 30 seconds remaining.
9:40-10:40	Being Prepared in the Field	Tara Steinke, Soapweed Solutions Be prepared. The more prepared an applicator is to handle an emergency, the faster they can react and reduce impacts on human and animal health and reduce impacts to the environment. Pesticide fire, spill, and exposure response will be detailed. The importance of having easily available kits for first aid and spill response will be presented.
10:40-10:50	BREAK	A voiced “call-back” will occur at 60 seconds and 30 seconds remaining.

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10:50-11:50	Herbicides in the Environment	<p>Scott Nissen, retired Colorado State University</p> <p>There are many different types of herbicides. Understanding how a herbicide works may help understand its potential impact on the environment. For instance, preemergence herbicides work on sprouting seeds and post emergence herbicides work on existing vegetation. Background products are used to remove all vegetation. The impact on near-by desirable species must be considered when determining which products to use. Additionally concerns about off-target movement through drift, leaching and erosion will be discussed.</p>
11:50-12:00	Questions & Discussion	facilitated by Sandra McDonald
12:00	LUNCH BREAK	A voiced "call-back" will occur at 5 minutes, 60 seconds and 30 seconds remaining.
1:00-2:00	Mixing Order and Compatibility	<p>Jerome Otto, Corteva</p> <p>Before mixing any pesticide(s) always check the label(s) for information on compatibility and mixing order. When you follow the correct mixing order and other mixing instructions, you can avoid creating problems in the spray tank. A "Jar Test" should always be used to test the compatibility of a new spray mix. Incompatibility can be both chemical and physical. Mixing order is equally important. Not following the labeled instructions and/or conducting a compatibility test may result in the total loss of the products and use of the tank and/or sprayer. The time it takes to determine compatibility is time saved.</p>
2:00-2:10	BREAK	A voiced "call-back" will occur at 60 seconds and 30 seconds remaining.
2:10-3:10	Managing Weeds in a Disturbed Environment	<p>George Beck, Alligare</p> <p>It is tongue in cheek to say a "right-of-way is a disturbance," but there is truth in the statement. Disturbance is a distribution mechanism for invasive weeds. The discussion will focus on dispersal mechanisms and how various types of disturbances can affect the establishment of weed species. Understanding dispersal and invasion will help the applicator make better management decisions.</p>

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3:10-3:20	BREAK	A voiced "call-back" will occur at 60 seconds and 30 seconds remaining.
3:20-4:20	Site-by-site Use Restrictions	Shannon Clark, Bayer Rangeland and Right-of-Way often overlap or are side-by-side, but it may also overlaps with turf and/or aquatic sites. It is important that the applicator understand the use sites and use restrictions found on the label. A discussion of the precautions that need to be taken will be provided with special emphasis on labeled site, sensitive areas, and grazing restrictions.
4:20 - 4:30	Questions & Wrap-up	Facilitated by Sandra McDonald
4:30-5:00	Test for California and Nevada credits	This will be a 10 question test (questions will be randomized). The pass score is 70%. Can retake.

Note – Zoom polls and chats will be used during each 5 minute interval to verify participation. Poll questions can be provided. A participation report can be provided upon request.

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SPEAKER BIOGRAPHIES

George Beck was a Weed Science professor at Colorado State University, now retired. His research focused on the biology of invasive or noxious weeds that are important in the western United States and developing successional weed management systems for key invasive weed species.

Shannon Clark is a Rangeland Stewardship Specialist covering the Upper Plains/Mountain region with Bayer's Western Stewardship and Development Team while also continuing to collaborate with Colorado State University Weed Science as a faculty affiliate. Shannon received her PhD in Weed Science from Colorado State University. She continued her research there as a post-doctoral researcher focusing on evaluating herbicides for invasive weed management in natural areas and rangeland. Her research also involved assessing herbicides for industrial vegetation management and Rights-of-Way.

Sandra McDonald founded Mountain West PEST (Pesticide Education & Safety Training) in 2009. Prior to establishing Mountain West PEST, Sandra was the Environmental and Pesticide Education Specialist at Colorado State University. She worked for 13 years at Colorado State University where she was involved in specialty crop pesticide research in addition to her role as a pesticide safety educator. Sandra also has extensive teaching experiences in pesticide safety, pesticide applicator exposure, pest management and pesticides in the environment.

Scott Nissen was a professor at Colorado State University and retired in December 2021. His responsibilities included research (applied and basic), outreach (Cooperative Extension) and some teaching. His research focused on invasive species management and adaptive strategies to establish desirable plant communities. The goal of this research was to establish sustainable plant communities that can resist re-invasion. Herbicides are an important management tool, so he also focused on herbicide fate in the environment and non-target impacts.

Jerome Otto grew up on a dairy farm in Minnesota. He graduated from the University of Minnesota in 1986 with a double major in Agricultural Economic and Animal Science. In 1987, Jerome joined Dow Chemical, now Corteva Agriscience, and has held various sales and marketing development roles since then. He is currently the market development specialist for the Pasture and Land Management business for the western half of the United States.

Tara Steinke is a safety officer and trainer for the oil and gas industry. Tara is an authorized OSHA outreach instructor for General Industry. She was part of the Colorado State University Environmental and Pesticide Education Program for 8 years; she focused on private applicators and worker protection.