

**National Right-of-Way Applicator Live Webinar Agenda
November 17, 2021 and December 15, 2021**

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 and how CEC submission and Certification of Completion will occur
8:30-9:00	CORE - Laws & Regulations Different Types of Labels	Bob York, BASF “The Label is the Law,” except there are a number of different types of labels. The differences between and purposes of container labels, specimen labels and master labels will be presented. State Local Needs (24 (c)) and Section 2ee Bulletins will also be discussed, Screen shots of actual right-of-way labels will be used to illustrate the differences.
9:00-9:05	BREAK	A voiced “call-back” will occur at 60 seconds and 30 seconds remaining.
9:05-9:35	CORE - Laws & Regulations State Laws Requiring a Label be in Applicator’s Possession	Sandra McDonald, Mountain West PEST Applicators need to have a copy of the label with them while making the application. Different states have different expectations of how this can be accomplished – paper verses digital copies of the label (phone, laptop, etc.) .
9:35-9:40	BREAK	A voiced “call-back” will occur at 60 seconds and 30 seconds remaining.
9:40-10:40	CORE - Environmental Protection CORE - Pesticides & Their Families Understanding Herbicides and What Happens When they Move Off-Target	Scott Nissen, Colorado State University Understanding how herbicides work provides insight into how to use the chemicals and helps diagnose performance problems and related injury symptoms. When herbicide move off-target the resulting phytotoxicity can cause slight to serious injury symptoms and may result in economic damage. This presentation will focus on herbicide families and the commonly shared symptoms and environmental concerns – potential drift, leaching, and residual activity.
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	CORE - Applicator Safety CORE - Public Safety Thinking Ahead & Being Prepared	Tara Steinke, Soapweed Solutions Preparation is the key to using pesticides safely whether it is from the applicator's perspective or the public's. 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.
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	CORE - Use of Pesticides Calibrating, Maintaining, and Winterizing Pesticide Equipment	Jerome Otto, Corteva The spray season should end with equipment winterization and begin with calibration. Properly storing your pesticide application equipment can prevent damage caused by freezing temperatures, and improve longevity. Starting the spray season by calibrating your equipment will ensure that there was no damage in the off-season and that the equipment is set up to apply the label required application rate. Routine maintenance throughout the season will keep sprayers in proper working order.
2:00-2:10	BREAK	A voiced "call-back" will occur at 60 seconds and 30 seconds remaining.
2:10-3:10	PEST MANAGEMENT 109 Industrial & Right-of-Way Fall and Winter Weed Control	George Beck, Alligare Weed management does not end as the temperatures cool. Fighting weeds is a year-round endeavor. Fall and winter are good opportunities to identify populations of invasive species for spring management. Perennials move sugars downward into the root systems during fall and this process moves some herbicides into the roots as well.
3:10-3:20	BREAK	A voiced "call-back" will occur at 60 seconds and 30 seconds remaining.

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3:20-4:20	PEST MANAGEMENT 107 Rangeland Cross-boundary Weed Management	Shannon Clark, Bayer Focus will be on RoW that crosses rangeland and how to choose herbicides accordingly. Sometimes Right-of-Way overlaps with rangeland and/or aquatic sites. A discussion of the precautions that need to be taken will be provided with special emphasis on labeled site, environmental hazards, 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 until they pass.

Note – Zoom polls and chats will be used during each 5 minute interval to verify participation. A 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 is a professor at Colorado State University. His responsibilities include research (applied and basic), outreach (Cooperative Extension) and some teaching. Current research focuses on dealing with invasive species management and adaptive strategies to establish desirable plant communities. The goal of this research is to establish sustainable plant communities that can resist re-invasion. Herbicides are an important management tool, so he also focuses 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.

Bob York has been the ProVM Marketing Manager at BASF Specialty Products Division for eight years. Before that he was a Professional Turf and Ornamental Marketing Manager for four years. He has also worked for Winfield (ProSource One) and Syngenta. He received a BS in Agricultural Economics from Purdue University.