

**National Right-of-Way Applicator Live Webinar Agenda
November 12, 2020 and December 3, 2020**

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 – polls, chat feature, Q& A and breaks. And how CEC verification and submission and Certification(s) of Completion will occur.
8:30-9:00	CORE - Laws & Regulations Labels & Label Cognition -- Product Labels Sandra McDonald, MWPEST	Right-of-Way (RoW) products must be registered for use on the specific site. Just because a product is registered in one state does not mean that it is registered in other states, or it may be a state Restricted Use Pesticide (RUP). It is up to the applicator be on top of this. How the container label and a specimen label differ will be presented. The importance of knowing that labels change periodically will be emphasized. Examples of RoW label statements will be highlighted. Site specifications, application rates and timing, and grazing restrictions will be emphasized.
9:30-9:05	BREAK 5 minutes	A countdown clock will be on the screen and a voiced “call-back” will occur at 60 seconds and 30 seconds remaining.
9:05-9:35	CORE - Laws & Regulations State Laws Vary Sandra McDonald, MWPEST	Pesticide laws vary between states, but ALL states must meet the minimum requirements established in FIFRA. It is the responsibility of the applicator to know and understand the specific laws and licensing requirements of the state in which they are performing an application. Recordkeeping requirements vary between states, i.e., specific forms, format, data collected, etc. State-specific forms will be included in the participant materials and mentioned in the presentation.
9:35-9:40	BREAK 5 minutes	A countdown clock will be on the screen and a voiced “call-back” will occur at 60 seconds and 30 seconds remaining.
9:40-10:10	CORE - Applicator Safety Personal Protection Tara Steinke, Soapweed Solutions	Pesticide PPE in the year of COVID. If you do not have or cannot acquire the label required PPE you MUST find a different product for which you have the appropriate PPE. This presentation will explain the different types of respiratory protection and why respirators are not interchangeable. Chemical resistance as it pertains to gloves will be explained.
10:10-10:15	BREAK 5 minutes	A countdown clock will be on the screen and a voiced “call-back” will occur at 60 seconds and 30 seconds remaining.

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10:15-10:45	CORE - Environmental Protection Non-target Risks – Sensitive Areas and Drift Sandra McDonald, MWPEST	Pesticide applications are affected by weather and site characteristics. Applicators must be aware of the sensitive areas near their application site. They must also be constantly aware of weather and wind. Right-of-way (RoW) applicators tend to cover large areas but this does not relieve them of responsibility. Product labels specify sensitive areas and RoW labels will be used as examples; emphasis will be placed on sensitive areas and drift.
10:45-10:50	BREAK 5 minutes	A countdown clock will be on the screen and a voiced “call-back” will occur at 60 seconds and 30 seconds remaining.
10:50-11:20	CORE - Use of Pesticides Calibration Exercise Jerome Otto, Corteva	Calibration is necessary to ensure equipment delivers the correct amount of pesticide uniformly over the target area. Calibration is the step in pesticide application that is most often neglected and misunderstood. Right-of-Way calibration problems will be provided to the participants. The trainer and participants will work through them together.
11:20-11:25	BREAK 5 minutes	A countdown clock will be on the screen and a voiced “call-back” will occur at 60 seconds and 30 seconds remaining.
11:25-11:55	CORE – Public Safety Safe Handling and Storage of Pesticides Sandra McDonald, MWPEST	When stored improperly, pesticides can break down, especially under conditions of high temperature and humidity. Pesticide containers have an important effect on storage and shelf life and probability of a spill. If stored improperly or for long periods, these containers may eventually corrode, crack, break, tear, or fail to seal properly. Protection from temperature extremes is important because heat or cold can shorten a pesticide's shelf life. Spill prevention, preparedness and response will be discussed.
11:55-12:00	Questions & Discussion	facilitated by Sandra McDonald
12:00	LUNCH BREAK 60 minutes	A countdown clock will be on the screen and a voiced “call-back” will occur at 5 minutes, 60 seconds and 30 seconds remaining.

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1:00-2:00	<p>PEST MANAGEMENT Category – Industrial and Right-of-Way Weed Control</p> <p>Balancing the Varying Goals of Vegetation Management Within Rights-of-Ways</p> <p>Derek Sebastian, Bayer</p>	<p>Right-of-way (RoW) weed management seems to be an easily defined straightforward category, until you start thinking about all the different management goals. Some RoW demand total vegetation management, a.k.a. bareground. Other RoW require the removal of plants that are tall enough to interfere with sight lines – these could be annuals, biennials, perennial, shrubs, and even trees. Sometimes RoW cross through agricultural land, urban areas and aquatic zones. At times RoW require weed management in order to complete a required restoration/revegetation project. Each of these goals requires a thorough understanding the target weeds AND the post management plans.</p>
2:00-2:05	BREAK 5 minutes	<p>A countdown clock will be on the screen and a voiced “call-back” will occur at 60 seconds and 30 seconds remaining.</p>
2:05-2:35	<p>Right-of-Way Herbicide Demo Plots</p> <p>Scott Nissen, Colorado State University</p>	<p>Herbicide demonstration plots were sprayed in the spring in preparation for the in-person workshop. Due to COVID, the plot walkthrough will be presented via video. The presentation will teach how specific herbicides kill or injure susceptible plants based on their mode and mechanism of action. This will include a review of the key, currently registered RoW herbicide families based on mode of action such as the plant growth regulators, photosynthetic inhibitors, amino acid synthesis inhibitors and other important groups.</p>
2:35-2:40	BREAK 5 minutes	
2:40-3:10	<p>CORE - Pesticides & Their Families</p> <p>Pesticide Properties & Selection</p> <p>Jim Bean, BASF</p>	<p>Understanding the properties of the various available herbicides is an important component of selecting the best management strategy. The management outcome is not only impacted by the active ingredient but the formulation of the product.</p>
3:10-3:15	BREAK 5 minutes	<p>A countdown clock will be on the screen and a voiced “call-back” will occur at 60 seconds and 30 seconds remaining.</p>

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3:15-4:15	PEST MANAGEMENT Category - Rangeland Factors to Consider when Managing Weeds George Beck	When developing your weed management plan first and foremost you must correctly identify the plant. Then you must determine the best strategy based on the site, its intended use and the weed spectrum. Application timing is an important consideration (spring vs. fall). Herbicide resistance must also be incorporated into the plan – be it managing existing resistance problems or avoiding future resistance.
4:15-4:30	Questions & Wrap-up	Facilitated by Sandra McDonald
4:30-5:00	Test for California and Nevada credits	This will be a 12 item test (questions will be randomized from a 36 item database). The pass score is 70%. Can retake until they pass.

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SPEAKER BIOGRAPHIES

Jim Bean is a graduate of West Virginia University with a B.S. in Forest Resources Management. For the last 39 years Jim has worked in vegetation management, including 9 years as a Transmission Forester for Appalachian Power Company and 29 years with BASF. Jim has held many positions with BASF including sales, sales management, and marketing. As Strategic Accounts Manager, Jim helps to educate and serve customers in the Forestry, Rights of Way, Bareground, Roadside, Aquatic, Solar, Invasive Weed and Pasture / Rangeland markets across the U.S.

George Beck was a Weed Science professor at Colorado State University, now retired. He is currently a Market Development Specialist with Alligare. At Colorado State University 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.

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.

Derek Sebastian, Bayer Western Regional Stewardship Manager, received a PhD and MS in Weed Science from Colorado State University. For his PhD work, he evaluated bare ground herbicides for weed control and non-target impacts, and evaluated indaziflam for winter annual grass control on rangeland.

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.