

National Right-of-Way Workshop Agenda
October 23-25, 2018
 Courtyard Denver Airport at Gateway Park

TUESDAY, October 23, 2018		
8:00	REGISTRATION	
8:30	Welcome / Introductions / Explanation of CEU Process Sandra McDonald, MWPEST	
9:00	CORE – Label & Labeling <i>Label Statements and Changes Relevant to R-o-W Applications</i> Sandra McDonald, MWPEST	An overview pesticide label statements, personal protection equipment, general pesticide safety, spill prevention and management, and container disposal techniques. The importance of knowing that labels change periodically will be emphasized.
10:00	Break	
10:05	<i>State Noxious Weed Programs</i> Slade Franklin	Many rights-of-way cross multiple state lines. Noxious weeds seem to follow. RoW applicators not only have to comply with each states' pesticide rules they also have to comply with the Noxious Weed laws.
11:05	Stretch!	
11:10	CORE – Laws & Regulations <i>Overlapping Categories</i> John Scott, Colorado Department of Agriculture	Pesticide Applicator License categories can overlap and become very confusing. This session will address the issue. There are 10 federal categories of certification established in FIFRA. States, territories, and tribes may add or delete from this list and most have. Most states have added categories further confusing the issue across state borders.
12:10	Questions / CEC Forms	
12:15	LUNCH	
1:00	CORE - Pesticides & Their Families <i>Herbicide Demonstration Plots</i> Scott Nissen, Colorado State Univ	Herbicide demonstration plots will be used to 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.
2:00	Stretch!	
2:05	CATEGORY <i>Bareground Herbicides Plots</i> Derek Sebastian, Bayer Scott Nissen, Colorado State Univ	Bareground herbicides help keep weeds from growing on rights-of-way to help reduce damage to structures and improve safety to people and wildlife. Bareground herbicides are non-selective. The less material you can use to achieve the goal of bare ground, the less likely you are to have off-site movement. Application of an excessive quantity of herbicide is not economical and may result in damage to nearby desirable vegetation.
3:05	BREAK - snacks	

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3:30	CATEGORY - Right-of-Way Pest Control <i>Seedling Identification</i> Scott Nissen, Colorado State Univ	Correctly identifying pests is an important first step toward effective management. Weeds are identified by visible characteristics that remain roughly constant among all individuals within a species. Weed identification at the seedling and immature stages can be difficult. Seedling characteristics will be presented. Weed Seedling ID Tools will be used to reinforce the characteristics that allow identification.
4:30	Stretch!	
4:35	Daily Evaluation - MWPEST	
4:45	Sign CEC Forms	
5:00	Adjourn for Day	

*If the weather is bad - the Pesticides & Their Families and Bareground sessions will be held indoors using slides.

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WEDNESDAY, October 24, 2018		
8:00	CORE - Environmental Protection <i>Reducing Herbicide Drift & Phytotoxicity</i> Sandra McDonald, MWPEST	Awareness is key to preventing herbicide drift – the applicator must pay attention to weather, equipment and sensitive areas. Phytotoxicity, injury to plants due to exposure to a chemical, on nontarget plants may cause slight to serious injury symptoms and can occasionally cause economic damage as well.
9:00	Stretch!	
9:05	CATEGORY - <i>Managing RoW Weeds</i> George Beck	This session will discuss the importance of the choice of strategy and the timing of implementation including cultural management, mechanical or physical removal, biological control, and herbicide treatments, Biology, ecology and impacts associated with the key right-of-way weeds as well as current science on techniques to manage the species will be discussed.
10:05	BREAK - Coffee	
10:30	CORE - Use of Pesticides <i>Disposal of Pesticides and Containers</i> Sandra McDonald, MWPEST	Proper pesticide waste disposal is an important part of responsible pesticide use. The characteristics of pesticides require proper disposal of unused or waste pesticide products in order to protect human health and the environment. Pesticide container disposal and recycling will also be discussed.
11:30	Sign CEC Forms	
12:00	LUNCH	
1:00	CORE – Herbicide Application Technology <i>Precision Measuring</i> Sandra McDonald, MWPEST	Precision measuring is a key component to proper calibration and application. Accurately measuring smaller amounts of pesticides is more challenging, even more so since all measuring devices are not created equal. A hand's-on measuring activity will reinforce the concepts.
2:00	Stretch!	
2:05	CORE - Host & Pest Identification* <i>Weed Identification Part 1</i> Tim Miller, Washington State Univ	Weed managers do not always have perfect, flowering plants when identification is necessary. This session will be held in a RoW setting. Emphasis will be placed on using plant parts other than just flowers for identification.
3:05	BREAK - Snacks	
3:25	CORE - Host & Pest Identification* <i>Weed Identification Part 2</i> Tim Miller, Washington State Univ	Weed managers do not always have perfect, flowering plants when identification is necessary. This session will be held in a RoW setting. Participants will be able to ask questions and examine numerous live invasive weed specimens.
4:25	Stretch!	
4:30	Daily Evaluation - MWPEST	
4:45	Sign CEC Forms	
5:00	Adjourn for Day	

*If the weather is bad - the Weed Identification sessions will be held indoors, but still use plant specimens collected from the right-of-way area.

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THURSDAY, October 25, 2018		
8:00	CORE – Applicator Safety <i>Chemical Resistance of Personal Protective Equipment</i> Tara Steinke, Soapweed Solutions	A discussion of personal protective equipment (PPE) including how to read the label and select the required PPE. An in-depth discussion of the "chemical resistance" categories of gloves will be provided. The use of respirators will be discussed; emphasis will be placed on using a respirator when required by the label and medical evaluation requirements when using a respirator.
9:00	Stretch!	
9:05	<i>Herbicide Risk Assessments - What can we learn?</i> Tim Miller, Washington State Univ	The general public often expresses concerns over herbicide safety that applicators are not equipped to address. This presentation will provide an overview of the herbicide risk assessment process that is part of registration and reregistration.
10:05	BREAK - coffee	
10:30	CORE - Public Safety <i>"Safe" Applications</i> Tara Steinke, Soapweed Solutions	Safe application begins with the wise selection of the management strategy including the use of herbicides and continues through sprayer clean-up and emergency preparedness. A facilitated discussion of how to approach RoW applications in a "safe" manner.
11:30	A discussion of the recertification verification submission process.	
12:00	LUNCH (Boxed)	
1:00	Workshop Evaluation – MWPEST	
1:30	Sign and Verify CEC Forms	
2:30	SAFE TRAVELS!!!!	

Applicators **MUST** attend ALL recertification sessions to receive credits. Attendance will be monitored. If necessary, an applicator may step out of the session for a maximum of 10 minutes.

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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.

Slade Franklin is the Wyoming State Weed and Pest Coordinator. He originally started his career with the Wyoming Department of Agriculture in 1999 with the Pesticide Compliance program. In his current role he assists the twenty-three county Weed and Pest Control Districts with implementing their invasive species programs. He has chaired the Western Weed Coordinating Committee and helped organize both the State Weed Coordinators Alliance and the Missouri River Watershed Coalition. He has a Bachelor of Science degree in Wildlife and Fisheries Biology and Management from the University of Wyoming.

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. She is a member of the American Association of Pesticide Safety Educators, the Western Society of Weed Science and the Rocky Mountain Agribusiness Association.

Timothy Miller is an Associate Scientist / Extension Specialist at Washington State University based at the research station in Mount Vernon. His research interests include biology, ecology, and control of weeds in agricultural/horticultural crops. Research and extension toward integrated cultural and chemical approaches to manage weeds. A special emphasis is placed on control of noxious weeds in western Washington. Recent work includes developing new strategies aimed at restoring northwestern Washington prairie sites with native grasses and wildflowers.

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.

John Scott is the Pesticide Program Manager for the Colorado Department of Agriculture. He has been with their department since January 2000 and his responsibilities have included: study guide and examination development, exam administration, applicator certification and licensing, applicator inspection and enforcement management, interagency agreement development, legislation and rule development, policy development, budget management, grants, and the department liaison to industry on issues relating to the Colorado Pesticide Applicators' Act.

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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.