

Ecology and management of downy brome (*Bromus tectorum*) in the West: What can the past tell us about the future?

65th Meeting of the Western Society for Weed Science
March 15, 2012
Peppermill Resort
Reno, NV
Tuscany E & F Rooms, 9:30 a.m.-3:00 p.m.

See WSWs homepage (<http://www.wsweedscience.org/>) to register (\$75)

Co-Chairs: Cynthia Brown (Colorado State University), Ian Burke (Washington State University) and Jane Mangold (Montana State University)

Moderator: Ian Burke

This symposium will address how the problem of downy brome has changed over time in crop and non-crop systems in different regions of the western US and the current state-of-the-art management principles being applied in these systems and regions. The cross-system, multi-region speaker slate will provide insights from years of experience and research on management of downy brome and will highlight unique aspects of downy brome ecology and management in their respective regions. By pairing crop and non-crop scientists from different regions of the West, we hope to identify important commonalities for the benefit of both systems and to identify the potential for exchange between them. The symposium will include nine 20 minute presentations by different experts followed by a 30 minute panel discussion with the opportunity for attendees to ask questions and provide insights.

***SPEAKER**

9:30 Introduction

9:40 Downy Brome Management in Great Basin Cropland - Past, Present, and Future. Ralph E. Whitesides*, Corey V. Ransom; Utah State University, Logan, UT (173)

10:00 Ecological Factors Influencing the Outcome of Downy Brome Control in Semi-Arid Wildlands. Thomas A. Monaco*; USDA, Logan, UT (174)

10:20 Managing Downy Brome in Canyon Grasslands and Sagebrush Steppe. Timothy Prather*; University of Idaho, Moscow, ID (175)

10:40 Downy Brome Plant Growth and Herbicide Resistance Modeling. Daniel Ball*; Oregon State University, Pendleton, OR (176)

11:00 Impacts of and a Novel Control Strategy for Annual Bromes. Matt Rinella*; USDA-Agricultural Research Service, Miles City, MT (177)

11:20 Keeping Cheatgrass Honest: Assessing the Role of Biological and Environmental Stressors in Mediating the Ecological Role of Cheatgrass in Cropping Systems. Fabian Menalled*; Montana State University, Bozeman, MT (178)

11:40 Lunch (on your own)

1:00 Systems in Transition: Integrated Management of Annual Brome at the Intersection of Great Plains Grasslands and Sagebrush Steppe. Brian A. Meador*; University of Wyoming, Laramie, WY (179)

1:20 Integrated Management Prevents Cheating in Winter Wheat Cropping Systems. Drew Lyon*¹, Phillip W. Stahlman²; ¹University of Nebraska-Lincoln, Scottsbluff, NE, ²Kansas State University, Hays, KS (180)

1:40 Developing Biocontrols for Cheatgrass: Progress and Future Prospects. Susan Meyer*; USDA Forestry Service, Provo, UT (181)

2:00 Synthesis

2:20 Panel Discussion

2:50 Closing Comments

3:00 Adjourn