



**Sixth Annual Winter Weed Meeting
Using All of the Tools in the Toolbox - A Holistic Look at
Invasive Species Control**

January 19-20, 2011

Ely, Nevada

Sixth Annual Winter Weed Meeting

Using All of the Tools in the Toolbox - A Holistic Look at Invasive Species Control

Wednesday, January 19, 2011		
Time	Name	Presentation Title
8:30-9:00	Registration	
9:00-9:15	Betsy Macfarlan	Welcome
9:15-9:45	Jeff Burnham, Utah State University	Plateau Pre-Emergent Herbicide Suppresses Invasive Exotics Following Fuels Treatments
9:45-10:15	Dan Nelson, University of Nevada Cooperative Extension	UNCE Hoary Cress Research
10:15-10:45	Break	
10:45-11:00	Betsy Macfarlan	Weed Identification - Do you know your weeds? Pop Quiz
11:00-11:30	Joseph Robins, Agricultural Research Service	Revegetation with perennial grasses: proper plant materials, invasive weeds, and precipitation
11:30-12:00	Gary Roeder, Natural Resource Conservation Service	Opportunities using EQUIP Program
12:00-1:15	Lunch on your own	
1:15-1:30	Betsy Macfarlan	Pop Quiz Results and Run Off
1:30-3:30	Kathy Voth, Livestock for Landscapes	Educated Cows Eat Weeds. Turn a Foe into Forage
3:30-3:45	Break	
3:45-4:15	Lance Knudson, Rancher	Contracting Livestock for Weed Control
4:15-4:30	Mindy Seal, Bureau of Land Management	BLM Updates
4:30-5:00	Scott Cichowlaz, Nevada Department of Agriculture	Pesticide Safety
5:00-5:15	Betsy Macfarlan	Day One - Wrap-Up
5:15-6:00	Reception	
6:00-8:00	Dinner	

Thursday, January 20, 2011		
Time	Name	Presentation Title
8:00-8:15	Betsy Macfarlan	Welcome Back
8:15-9:00	Barry Wallace, Crop Production Services	New Innovations in Technology and Chemical Applications
9:00-9:15	Ryan Lind, US Forest Service	Forest Service Updates
9:15-9:30	Scott Marsh, Nevada Department of Agriculture	Nevada Weeds Laws and Private Property
9:30-10:00	Mike Carrigan, DuPont	DuPont Updates
10:30-11:30	Scott Cichowlaz, Nevada Department of Agriculture	Pesticide Laws and Regulations/Record Keeping
11:30-11:45	Carol Ferguson, Snake Valley CWMA	Thinking Outside the Box to Tackle Tough Weed Challenges
11:45-12:00	Tina Mudd, Nevada Department of Agriculture	Updates on the Nevada Weed Program and the Weed Free Forage Program
12:00-12:15	Betsy Macfarlan	Wrap-Up
1:30-4:30	Scott Cichowlaz, Nevada Department of Agriculture	Applicator's License Test

Abstracts/Pictures

Joseph Robins, Agricultural Research Service

Revegetation with perennial grasses: proper plant materials, invasive weeds, and precipitation

Because of disturbances and degradation, perennial vegetation on large areas of rangeland in the western U.S. has been lost. This loss leads to invasion of these areas by annual weeds followed by increased frequency of fire and loss of soil resources from erosion. To mitigate these problems land managers revegetate disturbed areas with perennial grass, forb, and shrub species. The USDA ARS Forage and Range Research Laboratory has a long history of improving both native North American and introduced grass species for revegetation of western rangelands. The result of these efforts has been the development of a large proportion of the cultivars and germplasm currently in use. Depending on weed pressure and site location some species are more appropriate than others for soil stabilization. Annual precipitation appears to be the most important environmental factor in the success of revegetation. At sites receiving more than 12 inches of annual precipitation many grass species establish as well as crested wheatgrass and work to compete against annual weed invasion. However, at sites receiving less than 12 inches annual precipitation, establishment of grass is more difficult and few species are as successful as crested wheatgrass. Additionally, persistence of many perennial grass species is low when compared to crested wheatgrass, resulting in soils unprotected from erosion and annual weed invasion. Thus, when deciding on seeding mixture composition land managers must consider annual precipitation and the importance of stand persistence.



Forage and Range Research Laboratory exhibit booth



Attendees at the meeting which focused on identifying tools in the toolbox for successful control of invasive species



Dr. Joseph Robins providing information on the type of germplasm and planting procedures for the use of FRRL grass releases for range and pasture settings in the arid western U.S.