

# Intermountain Native Plant Summit VI (aka 'Back 2 Boise')



sponsored by the Boise State University Dept. of Biological Sciences  
and the USDA-Agricultural Research Service, Logan, UT

OPEN TO THE PUBLIC AND FREE OF CHARGE

**Tuesday to Thursday, March 29-31, 2011**

Jordan Ballrooms A & B (2<sup>nd</sup> floor)

**Boise State University Student Union**

Boise, Idaho

# AGENDA

Tuesday morning, March 29

7:30-8:15 Registration

8:15-8:30 Tom Jones (ARS; Logan, UT)  
*Welcome*

## INVASIVE ANNUALS, OUR NEMESIS

8:30-9:00 Josh Leffler (ARS; Logan, UT)  
*Resources, species, and communities: why annuals are so entrenched*

9:00-9:30 Brenda Smith (ARS; Burns, OR)  
[\*Understanding the causes of invasive species with Ecologically-Based Invasive Plant Management\*](#)

9:30-9:50 Ann Kennedy (ARS; Pullman, WA)  
*Cheat'n the cheatgrass*

9:50-10:20 Break

## NATIVE ANNUALS FOR RESTORATION, A VIABLE ALTERNATIVE?

10:20-10:40 Erin Goergen (University of Nevada; Reno, NV)  
[\*The role of native annual forbs in the restoration of invaded rangelands\*](#)

10:40-11:10 Christine Taliga (NRCS; Lakewood, CO)  
[\*Use and implication of native annuals for restoration\*](#)

## FOR THE BEAUTY OF THE EARTH

11:10-11:50 Steve Love (University of Idaho; Aberdeen, ID)  
*Domesticating and commercializing native plants for horticultural use*

11:50-1:30 Lunch at the Boise River Café (\$9 buffet)

## Tuesday afternoon, March 29

Joe Robins, moderator

1:30-1:55 Lesley Morris (ARS; Reno, NV)  
*Historic land-use impacts on native species*

### PLANT MATERIALS FORUM

1:55-2:15 Tom Jones (ARS; Logan, UT)  
*'Continental' basin wildrye and the tertiary Restoration Gene Pool*

2:15-2:35 Doug Johnson (ARS; Logan, UT)  
*Three North American legumes for the Great Basin*

2:35-3:05 Break

3:05-3:25 Scott Jensen (USFS; Provo, UT)  
*An approach to applying provisional seed zones in the Great Basin*

3:25-3:45 Wayne Padgett (BLM; Salt Lake City, UT)  
*Building a native plant program – challenges and progress in the Colorado Plateau*

### PICK YOUR POISON

3:45-4:15 Daniel Cook (ARS; Logan, UT)  
*Does plant taxonomy represent toxic risk?*

### GENETICALLY SPEAKING

4:15-4:25 Tom Jones (ARS; Logan, UT)  
*Genetic shift and genetic drift*

4:25-4:55 Jack Staub (ARS; Logan, UT)  
*Is genetic change a factor in the consideration of "local is best?"*

7:00 Dinner at The Ram restaurant (SE corner of Broadway and East Park Blvd.) immediately across (north of) the Boise River and east of Broadway

## Wednesday morning, March 30

Christine Taliga, moderator

### SEEDS 4 YOU

- 8:00-8:15 Cindy Fritz (BLM; Boise, ID)  
*BLM seed warehouse and purchasing update*
- 8:15-8:35 Doug Kendig (BLM; Medford, OR)  
*2011 native grass and forb seed increase and supply contract*
- 8:35-9:05 Erin Espeland (ARS; Sidney, MT)  
[\*Maternal effects in \*Poa secunda\*: harnessing plasticity for maximum success\*](#)

### BEES, PLEASE

- 9:05-9:35 Jim Cane (ARS; Logan, UT)  
[\*On-farm needs and post-fire fates of bees that pollinate our restoration forbs\*](#)
- 9:35-9:55 Ron Bitner (Bitner Vineyards; Caldwell, ID)  
*Potential vineyard use as pollinator reservoirs*
- 9:55-10:25 Break

### THE ESTABLISHMENT

- 10:25-10:55 Jeremy James (ARS; Burns, OR)  
[\*Great Basin seedling ecology\*](#)
- 10:55-11:25 Joe Robins (ARS; Logan, UT)  
[\*Establishment, persistence, and precipitation\*](#)
- 11:25-11:55 Derek Tilley (NRCS; Aberdeen, ID)  
[\*Investigations in wetland seed establishment\*](#)
- 11:55-1:30 Lunch at the Boise River Café (\$9 buffet)

## Wednesday afternoon, March 30

Jim Cane, moderator

### SEED PRODUCTION UPDATE

- 1:30-1:55 Clint Shock (Oregon State University; Ontario, OR)  
*Irrigation requirements for native plant seed production*
- 1:55-2:20 Loren St. John (NRCS; Aberdeen, ID)  
[Seed production of native plants in the Intermountain West](#)
- 2:20-2:50 Mark Majerus (Native Seedster; Billings, MT)  
[Harvestability indexes for native grasses and wildflowers](#)
- 2:50-3:15 Clint Shock (Oregon State University; Ontario, OR)  
*Direct seeding techniques for stand establishment for native seed production*
- 3:15-3:45 Break

### WHAT'S UP ON THE MOJAVE

- 3:45-4:15 Scott Abella (University of Nevada; Las Vegas, NV)  
[Identifying native species for use in successful revegetation projects in the desert Southwest](#)
- 4:15-4:55 Ed Kleiner (Comstock Seed; Gardnerville, NV)  
*Long-term observations at a Mojave montane mine site*

# Thursday morning, March 31

Steve Novak, moderator

## RESTORATION ECOLOGY: OUR STORIES

- 8:30-8:50 Susan Filkins (BLM; Boise, ID)  
[\*Rehab and restoration in sandy soils in the Snake River Plain\*](#)
- 8:50-9:10 Mel Asher (Benson Native Seeds; Moses Lake, WA)  
[\*Crested wheatgrass diversification: practical experiences\*](#)
- 9:10-9:40 Beth Newingham (University of Idaho; Moscow, ID)  
*Soil responses to post-fire seeding techniques*
- 9:40-10:10 Break
- 10:10-10:40 Kent McAdoo (University of Nevada; Elko, NV)  
[\*Transplanting Wyoming big sagebrush in herbaceous-dominated sites\*](#)

## IT'S TIME TO CHANGE

- 10:40-11:05 Matt Horning (USFS; Bend, OR)  
[\*Seed-transfer guidelines in the context of climate change: a Forest Service perspective\*](#)
- 11:05-11:30 Bryce Richardson (USFS; Provo, UT)  
*Approaches to understand climate-driven genetic variation in plants and the implications for restoration*
- 11:30-12:00 Stacey Plummer (L&H Seeds; Connell, WA)  
[\*A grower's perspective: seed zones and source-ID native seed production\*](#)
- 12:00 Lunch at the Boise River Café (\$9 buffet)

Thursday afternoon, March 31

PROCEDURES for BLM SEED PURCHASES

1:30-4:00 Cindy Fritz (BLM; Boise, ID)

this discussion session will explore contracting timelines and procurement processes associated with BLM seed purchases

POSTER PRESENTATIONS

Mike Cashman (ARS; Pullman, WA)

*Seeds of success: interagency partnership for conservation and use of native plant germplasm*

Byron Love (Utah State University; Logan, UT)

*Response of bee pollinators to wildfire in sagebrush-steppe*

Dan Harmon and Charlie Clements (ARS; Reno, NV)

*The practical use of Intermountain native annuals in assisted succession*

Ed Kleiner (Comstock Seed; Gardnerville, NV)

*The progress of green energy in the Mojave*

John Steinbacher (Summit Associates LLC; Boise, ID)

*Revegetating with native plants at drastically disturbed sites - science of soil balancing and use of organic biostimulants*

Justin Caudill (BLM; Rock Springs, WY)

*Wyoming Landscape Conservation Initiative*

Peggy Olwell (BLM; Washington, DC)

*Bureau of Land Management's Native Plant Materials Development Program: A National Perspective*