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 (2nd 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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30-1:55</td>
<td>Clint Shock (Oregon State University; Ontario, OR)</td>
<td>Irrigation requirements for native plant seed production</td>
</tr>
<tr>
<td>1:55-2:20</td>
<td>Loren St. John (NRCS; Aberdeen, ID)</td>
<td><strong>Seed production of native plants in the Intermountain West</strong></td>
</tr>
<tr>
<td>2:20-2:50</td>
<td>Mark Majerus (Native Seedster; Billings, MT)</td>
<td><strong>Harvestability indexes for native grasses and wildflowers</strong></td>
</tr>
<tr>
<td>2:50-3:15</td>
<td>Clint Shock (Oregon State University; Ontario, OR)</td>
<td>Direct seeding techniques for stand establishment for native seed production</td>
</tr>
<tr>
<td>3:15-3:45</td>
<td>Break</td>
<td></td>
</tr>
</tbody>
</table>

**WHAT'S UP ON THE MOJAVE**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:45-4:15</td>
<td>Scott Abella (University of Nevada; Las Vegas, NV)</td>
<td><strong>Identifying native species for use in successful revegetation projects in the desert Southwest</strong></td>
</tr>
<tr>
<td>4:15-4:55</td>
<td>Ed Kleiner (Comstock Seed; Gardnerville, NV)</td>
<td><strong>Long-term observations at a Mojave montane mine site</strong></td>
</tr>
</tbody>
</table>
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

PROC EDURES 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 bio stimulants

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