BLM National Seed Warehouse System
My Background

Title: Administrative Manager for the National Seed Warehouse System

• Supply Specialist Vegetation Management that includes:
  – Financial operations
  – Relationship building
  – Tactical operations
  – Overall program strategy
Agenda

• What is the impact?
  – Strategic Initiatives
  – Post Fire Restoration

• BLM National Seed Warehouse System Overview
  – Vision, Mission, and Goals
  – Locations and Seed Types
  – Vendors/Customers
  – Processes

• Q & A and Contact Information
New Plant Material Policy

• Presidential Memorandum on Pollinators
  – Establish a reserve of native seed mixes, including pollinator-friendly plants, for use in restoration and post-fire rehabilitation

• Secretarial Order No. 3336
  – Enhanced policies and strategies for preventing and suppressing rangeland fire and for restoring sagebrush landscapes impacted by fire across the West
The right seed in the right place at the right time

To ensure the availability of genetically appropriate seed to restore viable and productive plant communities and sustainable ecosystems
What is the Goal of the National Seed Warehouse System?

• Provide the best quality of seed and genetic plant material to our customers

• Increase storage capacity and seed availability at a competitive market price

• Make the seed inventory available for any approved project
Nat. Seed Warehouse System
is a System of BLM Seed Warehouse’s

- **Locations:**
  - Boise Regional Seed Warehouse
  - Ely Regional Seed Warehouse
  - Twin Falls District Seed Warehouse

- Typically have 3 Seed Buys
  (Spring, Fall, and Winter)
Nat. Seed Warehouse System

- Total Working Capital Funds Budget of $11.8M
- Seed Capacity $2.1 Million lbs
- Current Average Seed Price per lb: $7.37

Soda Fire in Idaho

- Received 1.48 M lbs from the 3 warehouses
- $6.22 million for SODA Fire Emergency Stabilization Rehabilitation project
# Total Warehouse Max Capacity Summary

<table>
<thead>
<tr>
<th>Seed Warehouses</th>
<th>Floor Capacity (lbs)</th>
<th>Warehouse (sq ft)</th>
<th>Cooler Capacity (lbs)</th>
<th>Cooler (sq ft)</th>
<th>Inventory Species/Varieties</th>
<th>Seed Mixer Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ely</td>
<td>1,000,000</td>
<td>14,500,000</td>
<td>100,000</td>
<td>1,500</td>
<td>103</td>
<td>7,000 lbs</td>
</tr>
<tr>
<td>Boise</td>
<td>800,000</td>
<td>7,000</td>
<td>35,000</td>
<td>900</td>
<td>156</td>
<td>2,000 lbs</td>
</tr>
<tr>
<td>Twin Falls</td>
<td>300,000</td>
<td>4,000</td>
<td>None</td>
<td>None</td>
<td>25</td>
<td>3,000 lbs</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,100,000</strong></td>
<td><strong>25,500</strong></td>
<td><strong>135,000</strong></td>
<td><strong>2,600</strong></td>
<td><strong>212</strong></td>
<td><strong>12,000 lbs</strong></td>
</tr>
</tbody>
</table>
# Ely & Boise Regional Seed Warehouses

<table>
<thead>
<tr>
<th></th>
<th>Ely Current Inventory</th>
<th>Boise Current Inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>300,000 LBS (Floor)</td>
<td>600,000 LBS (Floor)</td>
<td></td>
</tr>
<tr>
<td>25,000 LBS (Cooler)</td>
<td>20,000 LBS (Cooler)</td>
<td></td>
</tr>
<tr>
<td>$1.6 million</td>
<td>$6 Million</td>
<td></td>
</tr>
</tbody>
</table>
Who are the Customers?

- 40 BLM Field Offices in 11 Western States
- BLM Programs (ES&R, Fuels, HLI, Range, and Wildlife)
- Partners with cooperative agreements
Who are the Suppliers for the System?

- Over 30 vendors that are Growers, Collectors, and Distributers of Native and Non-Native Seed

- Both Large and Small Business’s sell seed to the BLM National Seed Warehouse System through the consolidated Seed Buy
Attachment 1 - Ordering Seed from the BLM Seed Warehouse System Flowchart

Project Allocation for Seed (funding code)

- Information for seed is generated from ES plan or other input
  - Approved ES Plans generate Working Capital Fund reimbursement at WO220 Level
  - Otherwise Regional Seed Warehouse (RSW) is contacted directly

- In RSW Inventory
  - Field Office fills out seed request form with funding code
- NOT in RSW Inventory
  - RSW adds to solicitation
  - PRs completed by RSWs

- RSW Delivery (or Field if requested)

  - Acceptance
    - (Visual Inspection - Tags/Bags/Contents/Test results)
    - Notify Vendor To bill
    - RSW posts seed test results to web

  - Vendor submits invoicing into IPP
    - RSW COR receives workflow in FBMS, Completes Goods Receipt/GR, Attaches seed test result
    - Payment made

Seed warehouse staff assembles order, mixes if requested

Seed delivered to Field

6/19/13
5 year Summary 2010-2015

Sales

<table>
<thead>
<tr>
<th>NON-NATIVE</th>
<th>NATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,799,200 lbs</td>
<td>5,616,067 lbs</td>
</tr>
<tr>
<td>40%</td>
<td>60%</td>
</tr>
</tbody>
</table>
5 year Summary 2010-2015

Top 10 Seed Types ordered for projects

- Bluebunch Wheatgrass, PSSP, Anatone (27%)
- Siberian Wheatgrass, AGFR, Vavilov II (18%)
- Snake River Wheatgrass, ELWA2, Secar (12%)
- Crested Wheatgrass, AGCR, Hycrest II (4%)
- Siberian Wheatgrass, AGFR, Vavilov I (9%)
- Crested Wheatgrass, AGCR, Hycrest I (7%)
- Alfalfa, MESA, Ladak (6%)
- Small Burnet, SAMI3, Delar (6%)
- Sanfoin, ONVI, Eski (5%)
- Indian Ricegrass, ACHY, Nezpar (5%)
- Top 10 Seed Types ordered for projects
### 5 year Summary 2010-2015

#### Top 10 Shrubs ordered for projects

<table>
<thead>
<tr>
<th>Shrub</th>
<th>Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winterfat</td>
<td>1,400</td>
</tr>
<tr>
<td>Black Sagebrush</td>
<td>5,000</td>
</tr>
<tr>
<td>Shadscale</td>
<td>9,200</td>
</tr>
<tr>
<td>Low sagebrush</td>
<td>29,080</td>
</tr>
<tr>
<td>Antelope Bitterbrush</td>
<td>31,750</td>
</tr>
<tr>
<td>Fourwing Saltbrush</td>
<td>44,450</td>
</tr>
<tr>
<td>Mountain Big Sagebrush</td>
<td>49,860</td>
</tr>
<tr>
<td>Immigrant Forage Kochia</td>
<td>65,450</td>
</tr>
<tr>
<td>Basin Big Sagebrush</td>
<td>69,040</td>
</tr>
<tr>
<td>Wyoming Big Sagebrush</td>
<td>510,020</td>
</tr>
</tbody>
</table>
5 year Summary 2010-2015

Top 10 Forbs ordered for projects

Eski Sanfoin: 139,250
Ladak Alfalfa: 101,000
Delar Small Burnett: 99,500
Appar Blue Flax: 88,055
Western Yarrow: 26,000
Maple Grove Lewis Flax: 20,400
Palmer's Penstemon: 5,100
Munro's Globemallow: 3,975
Rocky Mountain Beeplant: 3,950
Gooseberryef Globemallow: 3,800
# Top 10 Forbs Requested

<table>
<thead>
<tr>
<th>#</th>
<th>Scientific Name</th>
<th>Species or Variety</th>
<th>Total Pounds</th>
<th>Native or Non Native</th>
<th>Pollinator List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Onobrychis viciifolia</td>
<td>Eski Sanfoin</td>
<td>139,250</td>
<td>Non Native</td>
<td>No</td>
</tr>
<tr>
<td>2</td>
<td>Medicago sativa</td>
<td>Ladak Alfalfa</td>
<td>101,000</td>
<td>Non Native</td>
<td><strong>Honey Bees</strong></td>
</tr>
<tr>
<td>3</td>
<td>Sanguisorba minor</td>
<td>Delar Small Burnett</td>
<td>99,500</td>
<td>Non Native</td>
<td>No</td>
</tr>
<tr>
<td>4</td>
<td>Linum perenne</td>
<td>Appar Blue Flax</td>
<td>88,055</td>
<td>Non Native</td>
<td>No</td>
</tr>
<tr>
<td>5</td>
<td>Achillea millefolium</td>
<td>Western Yarrow</td>
<td>26,000</td>
<td>Native</td>
<td><strong>Butterflies, Moths, Birds</strong></td>
</tr>
<tr>
<td>6</td>
<td>Linum perenne</td>
<td>Maple Grove Lewis Flax</td>
<td>20,400</td>
<td>Native</td>
<td>No</td>
</tr>
<tr>
<td>7</td>
<td>Penstemon palmeri</td>
<td>Palmer's Penstemon</td>
<td>5,100</td>
<td>Native</td>
<td><strong>Butterflies, Moths, Birds</strong></td>
</tr>
<tr>
<td>8</td>
<td>Sphaeralcea munroana</td>
<td>Munro's Globemallow</td>
<td>3,975</td>
<td>Native</td>
<td><strong>Moths</strong></td>
</tr>
<tr>
<td>9</td>
<td>Cleome serrulata</td>
<td>Rocky Mountain Beeplant</td>
<td>3,950</td>
<td>Native</td>
<td><strong>Bees</strong></td>
</tr>
<tr>
<td>10</td>
<td>Sphaeralcea grossulariifolia</td>
<td>Gooseberryaf Globemallow</td>
<td>3,800</td>
<td>Native</td>
<td><strong>Moths</strong></td>
</tr>
</tbody>
</table>
Questions & Contact Info

- Patricia Roller, National Seed Coordinator
  proller@blm.gov  208-373-3802

- Ricardo Galvan, Admin Seed Specialist, National Seed Warehouse System
  rgalvan@blm.gov  208-384-3278

- Derek Conn, OPS Manager, Boise Regional Seed Warehouse
  dconn@blm.gov  208-384-3277

- Jim Andrews, OPS Manager, Ely Regional Seed Warehouse
  jandrews@blm.gov  775-289-3483
Backup Slides
## Seed Buy Request Form

**Example Project Seed Request Form**

**Boise Regional Seed Warehouse 208-384-3277 or Ely Regional Seed Warehouse 775-289-3483**

**Email this form to Rico** rico@blm.gov

AND Derek
dconn@blm.gov

**Email this form to Eric** elivermore@blm.gov

**Requestor:**

**Project Name:**

**Funding**

**District/Field Office:**

**Work Phone:**

**Cell Phone:**

**Office Address:**

**Additional Information:**

**Delivery Address:**

**Required Delivery Date:**

**IS THE RSW MIXING THE SEED?** YES

---

**EVERY LINE MUST BE FILLED OUT OR THE REGIONAL SEED WAREHOUSE WILL CONSIDER THE ORDER VOID.**

<table>
<thead>
<tr>
<th>Stock #</th>
<th>Species</th>
<th>Bulk Pounds</th>
<th>Price</th>
<th>Total Cost</th>
<th>Stock #</th>
<th>Species</th>
<th>Bulk Pounds</th>
<th>Price</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>4550</td>
<td>Fernleaf Biscuitroot</td>
<td>10</td>
<td>$82.05</td>
<td>$820.50</td>
<td>0</td>
<td>Stock #</td>
<td>$0</td>
<td></td>
<td>$0</td>
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<tr>
<td>6260</td>
<td>Munroe's Globemallow</td>
<td>10</td>
<td>$47.50</td>
<td>$475.00</td>
<td>0</td>
<td>Stock #</td>
<td>$0</td>
<td></td>
<td>$0</td>
</tr>
<tr>
<td>3302</td>
<td>Bicolor Buckwheat</td>
<td>10</td>
<td>$35.00</td>
<td>$350.00</td>
<td>0</td>
<td>Stock #</td>
<td>$0</td>
<td></td>
<td>$0</td>
</tr>
<tr>
<td>1104</td>
<td>Sulphur Buckwheat</td>
<td>50</td>
<td>$3.66</td>
<td>$350.00</td>
<td>0</td>
<td>Stock #</td>
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<td>$0</td>
</tr>
<tr>
<td>4000</td>
<td>Needle &amp; Thread</td>
<td>50</td>
<td>$2.00</td>
<td>$200.00</td>
<td>0</td>
<td>Stock #</td>
<td>$0</td>
<td></td>
<td>$0</td>
</tr>
<tr>
<td>5780</td>
<td>Saltsite Blackcreek</td>
<td>200</td>
<td>$2.50</td>
<td>$500.00</td>
<td>0</td>
<td>Stock #</td>
<td>$0</td>
<td></td>
<td>$0</td>
</tr>
<tr>
<td>5181</td>
<td>Salt to Water Wheatgrass</td>
<td>50</td>
<td>$1.86</td>
<td>$240.00</td>
<td>0</td>
<td>Stock #</td>
<td>$0</td>
<td></td>
<td>$0</td>
</tr>
<tr>
<td>6554</td>
<td>Stallhead Green Bristle Wiley</td>
<td>50</td>
<td>$1.35</td>
<td>$67.50</td>
<td>0</td>
<td>Stock #</td>
<td>$0</td>
<td></td>
<td>$0</td>
</tr>
<tr>
<td>6045</td>
<td>Bluebonnet Asphodel</td>
<td>200</td>
<td>$3.50</td>
<td>$700.00</td>
<td>0</td>
<td>Stock #</td>
<td>$0</td>
<td></td>
<td>$0</td>
</tr>
</tbody>
</table>

**Sub Totals:**

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$118.25</td>
<td>$5,954.50</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**REFER TO THE CURRENT INVENTORY SHEET FOR REQUIRED INFO.** Stock number, Species, and Price

**RSW Surcharge .25 per lb**

**Total Cost of Seed**

$5,954.50

**$157.63**
PLEASE NOTE THE FOLLOWING CLARIFICATIONS AND CHANGES FROM PREVIOUS BUYS
This list is not comprehensive and vendors should read the entire solicitation.

1. If a pallet exceeds 54” (inches) in height, another pallet must be inserted before additional seed is stacked for shipping. NO EXCEPTIONS. Only pallets sized 48x40 shall be accepted. Bag sizes have changed. Please refer to Packing and Marking section.

2. Documentation of permission to collect CONTINUES TO BE required for all wildland collections (Agency permit, and/or private land owner agreement). Documentation will be submitted with seed delivery.

3. BLM will continue the option for vendors to provide Pre-qualified seed for Certified Blue tag, Selected Green tag, and only some Source Identified Yellow tag seed are exceptions. Refer to Specification 8 in this bid. PRE-QUALIFIED SEED STILL REQUIRES SAMPLES AND A CURRENT VALID TEST TO BE SUBMITTED WITH AWARDED SEED AT THE TIME OF DELIVERIES. PRELIMINARY TESTS ARE NOT VALID. IF YOU FAIL TO PROVIDE A CURRENT TEST UPON DELIVERY, THE REGIONAL SEED WAREHOUSE WILL SEND OUT A SAMPLE TO THE LAB OF THE RSW’S CHOICE AT THE VENDORS EXPENSE.

4. The Government continues to reserve the right to select seed lots that are annual brome free within the specific species offered categories (lots that are certified annual brome free including but not limited to: Bromus tectorum, Bromus rubens, and B. japonicus). Vendor will clearly state “Brome Free” after the seed type. For example, Streambank Wheatgrass, Sodar ANNUAL BROME FREE. Random sampling and re-testing will be at the discretion of the RSW.

5. When submitting an offer for Source Identified (SI) species, please use the “name” cited on the yellow certification tag. If no “name” is cited, please submit the County/State/Elevation and Precipitation information. A vendor who has non-certified seed only submits that seed under “B” certification category for cultivars/varietals or “AOC” for non-cultivars (S/Selected, S/Source Identified, T/Tested class) certification category.

6. When submitting an offer for SI or AOC seed, Provide County, State, AND elevation information for all SI and AOC seed in column Q on Attachment 1.

7. CONTRACTOR will pay for all tests completed by approved lab test facilities.

8. PACKAGING AND MARKING BAGS AND LABELS: All seed shall be delivered in 50 pound bags except for:
   40 pound bags: Sagebrush
   20 pound bags: Winterfat, Blue Grama, Sideoats Grama,
   20 pound bags: Goatsbeard Grass, Purple Lovegrass
   25 or 50 pound bags: All forbs

FY2016 Seed Buy #1
BOISE, ID
OFFERS ARE DUE ON
Friday November 27, 2015 AT 9:00 am MST
Shrubs 2014-2015

- Wyoming Big Sagebrush: 154,160
- Basin Big Sagebrush: 36,098
- Forage Kochia: 20,000
- Mountain Big Sagebrush: 40,000
- Fourwing Saltbrush: 60,000
- Bitterbrush: 80,000
- Low sagebrush: 100,000
- Shadscale: 120,000
- Black Sagebrush: 140,000
- Winterfat: 160,000
Our customers have a large need for high volumes of seed and they also need genetically diverse seed for habitat restoration and rehabilitation projects. This need has resulted in the establishment of the National Warehouse System.

BLM
Deputy Director
Steve Ellis

BLM
Idaho State Director
Tim Murphy
Storage Capacity

- 2.1 Million LBS of dry storage
- 135,000 LBS of cold storage