Production & Marketing
Native Biotypes of Grasses and Forbs
$1.50/acre Non-competitive Oil and Gas Lease may have NEGATIVE NON-PECUNIARY EXTERNALITIES
$1.35 AUM may include NEGATIVE NON-PECUNIARY EXTERNALITIES
### Poa secunda - Year 1

#### Harney
- **Source:** South Central OR
- **Elevation:** 4600-4800 ft.
- **Rainfall:** 10-12 in.
- **Soils:** Loamy Desert
- **Note:** Rapid establishment
  - Large green basal leaves
  - Medium height

#### Unity
- **Source:** Eastern OR
- **Elevation:** 4700 ft.
- **Rainfall:** 12-15 in.
- **Soils:** Loamy 10-15% slope
- **Note:** Vigorous, Yellow-green
  - Large golden heads
  - Late-maturing

#### Frenchmen Hills
- **Source:** Columbia Basin WA
- **Elevation:** 1050 ft.
- **Rainfall:** 6-8 in.
- **Soils:** Sandy Loam
- **Note:** Compact crown
  - Tall thin heads
  - Very Competitive
<table>
<thead>
<tr>
<th>Location</th>
<th>Source</th>
<th>Elevation</th>
<th>Rainfall</th>
<th>Soils</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grande Ronde</td>
<td>North Eastern OR</td>
<td>1500 ft.</td>
<td>14-18 in.</td>
<td>River Terrace Slopes</td>
<td>Vigorous, Arching heads, Yellow-green</td>
</tr>
<tr>
<td>Hawk Creek</td>
<td>North Central WA</td>
<td>2300 ft.</td>
<td>12-16 in.</td>
<td>Swale and Biscuit</td>
<td>Long, Erect Leaves, Blue-green expression</td>
</tr>
<tr>
<td>Swauk</td>
<td>Central Cascades WA</td>
<td>2200-2500 ft.</td>
<td>18-24 in.</td>
<td>Loam and Lithosols</td>
<td>Slow establishment, Very Blue-green</td>
</tr>
</tbody>
</table>
Elymus glaucus - Year 1

**Mt Hood**
- **Source:** Northern Cascades, OR
- **Elevation:** 4000 ft.
- **Rainfall:** 30-40 in.
- **Soils:** Poor Soil
- **Note:** Vigorous, Arching heads
  Bluish-green, Broad Leaves

**Sugarloaf High**
- **Source:** Blue Mts. OR
- **Elevation:** 4300-5300 ft.
- **Rainfall:** 18-24 in.
- **Soils:** Blue Mt Loamy Forest
- **Note:** Quick Establishment
  Large Leaves, Multi-Tiller

**Starkey Low**
- **Source:** Blue Mts. OR
- **Elevation:** 3800-4300 ft.
- **Rainfall:** 18-24 in.
- **Soils:** Blue Mt Loamy Forest
- **Note:** Yellow-Green, Fine Leaf
  Erect Growth Habit, Shorter