Native Seed Increase

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Overview
Nursery Services

- Freezer Storage
- Containerized Production
- Information Services
Seed Increase Program
Purpose

• Stone Nursery is able to accommodate small plantings.
• Fractional pounds can produce an abundance of seed.
• Product can be stored or bulked further with Commercial Growers.
• Requests generally Project specific.
Fall Field Preparation

- Cultivation
- Soil Fumigation
- Formation of Beds 4’ in width
Sowing

• Modified J.E. Love Nursery Drill
• Most crops sown as 4-row plantings

Elymus elymoides
Monitoring

• Vigor

• Pests (disease, insects, herbivory).

• Weed Control
Harvesting
Harvesting
Harvesting

*Lomatium cookii*  
*Limnanthes pumila grandiflora*
Drying and Packaging
Successes

- Collinsia grandiflora
- Achillea millefolium
Successes: T&E Plants

• Lomatium cookii: 46.89 pounds from 1/10 acre planting.

• Limnanthes pumila grandiflora: ~72 pounds from 1/10 acre planting.
## 2015 Production Figures

<table>
<thead>
<tr>
<th>Crop Type</th>
<th>Number of Species</th>
<th>Number of Lots</th>
<th>Cleaned Seed Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grass</td>
<td>11</td>
<td>32</td>
<td>3255.7</td>
</tr>
<tr>
<td>Forb</td>
<td>26</td>
<td>29</td>
<td>979.6</td>
</tr>
</tbody>
</table>

Commonly requested grass genera: *Acnatherum, Elymus, Festuca.*

Commonly requested forb genera: *Asclepias, Clarkia, Penstemon.*
Challenges

• Efficient harvest of wind dispersed seed

• Uneven maturities

• Unpredictable behavior of distant ecotypes
Future Opportunities

• Currently limited to ~30 acres for Seed Increase

• Additional Production of Listed Species

• Equipment upgrade

• Weed Control
Conclusion

*Asclepias fascicularis* with Monarch caterpillar present
The preceding presentation was delivered at the

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This and additional presentations available at http://nativeseed.info