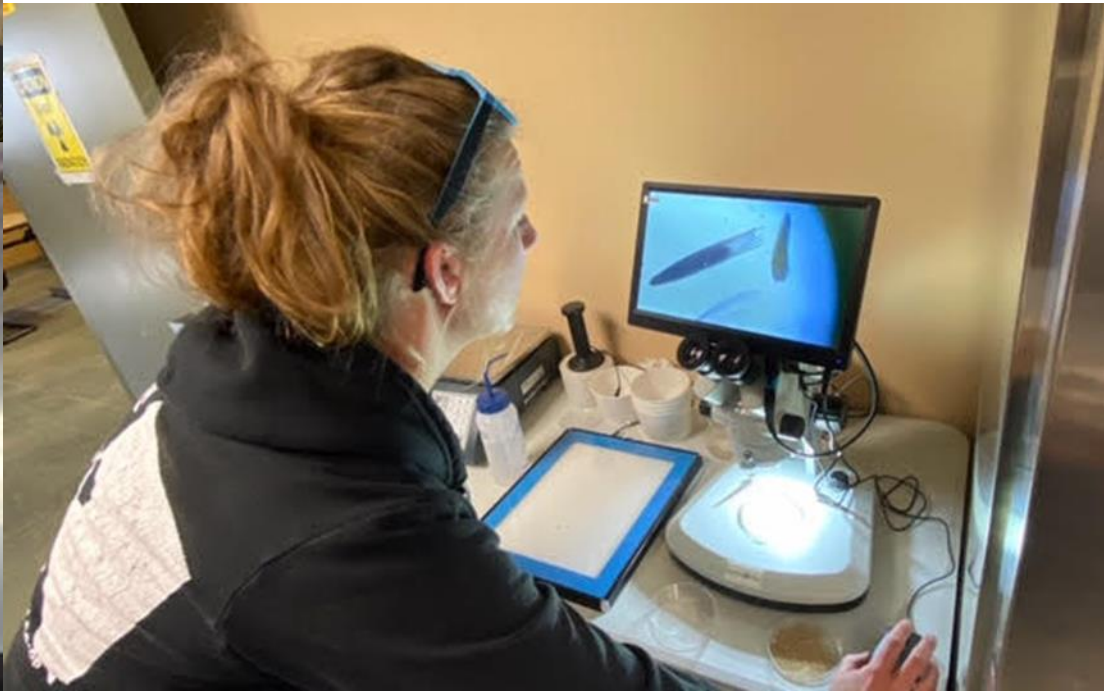


UNR Seed Cleaning Facility & Seed Bank



Shannon Swim
Elizabeth Leger



Native Seed Processing Center

- What is seed cleaning?
- Equipment
- Testing
- Storing



Steps to Processing Seed

- **Seed conditioning**
 - breaking up plant material
- **Seed cleaning**
 - separating all the plant material from the seed





Seed Conditioning

- We have:
 - Westrup Brush Machine (6 different mantles)



Seed Conditioning

- Wintersteiger Thresher



Seed Conditioning

- Sieves!



Time to Clean!

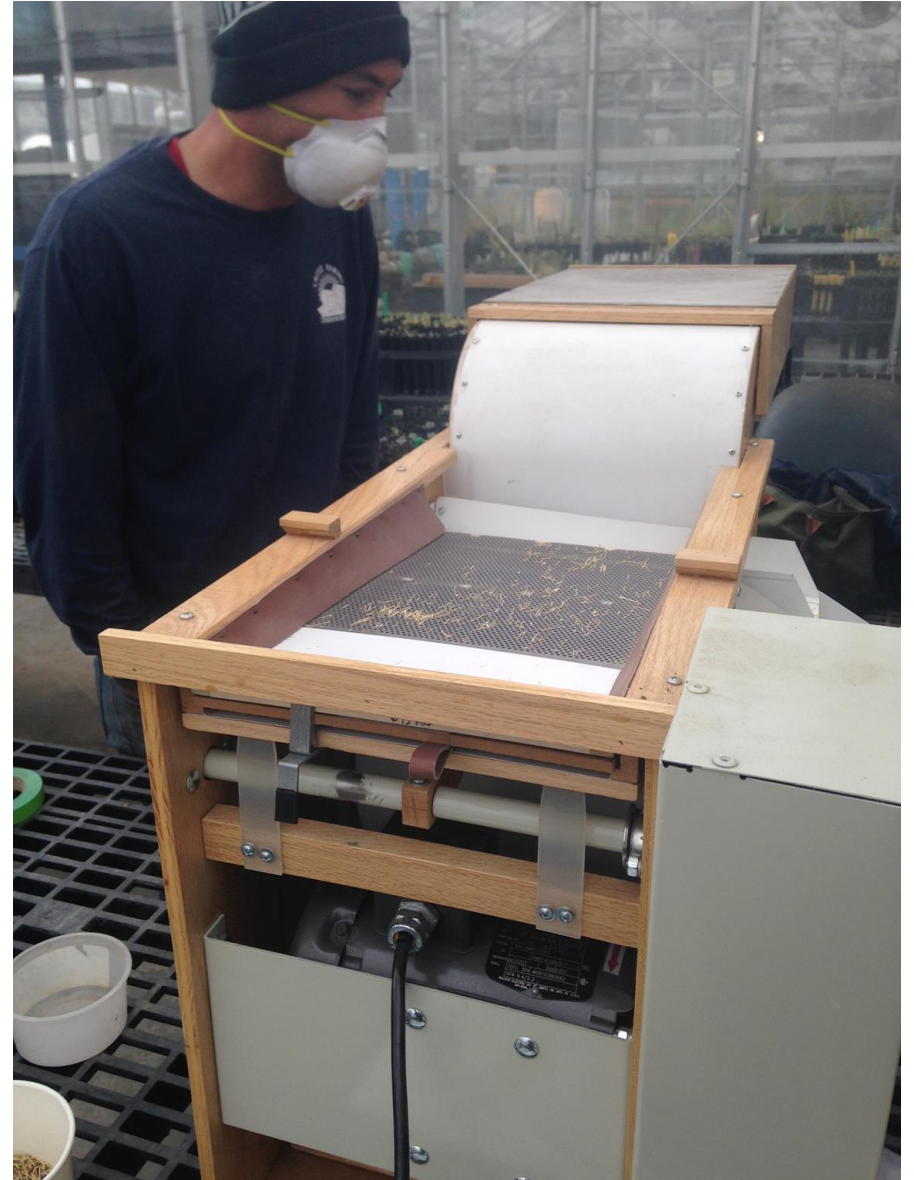
- We have 3 pieces of cleaning equipment
 - Office Clipper
 - Vibratory Separator
 - Continuous Seed Blower



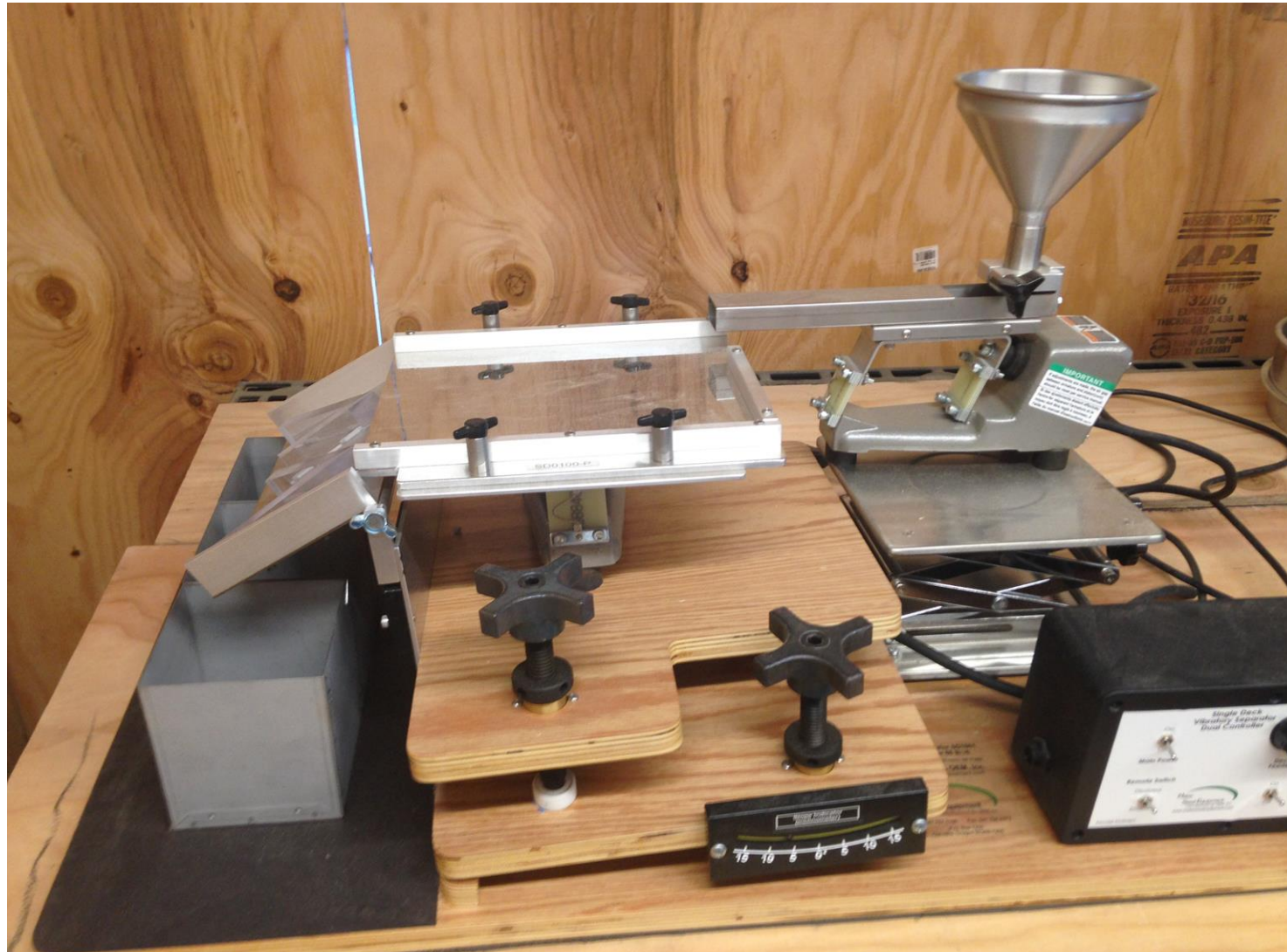
Seed Cleaning: Office Clipper



We have over 100 different screen sizes!



Seed Cleaning: Vibratory Separator



Seed Cleaning: Continuous Seed Blower



Seed Cleaning: Sieves again!



Busting Common Misconceptions of Seed Cleaning

- Undesired seed is **NOT** easy to remove
- Similar shape and size VERY difficult
- Costly \$\$\$
- Loss of desired seed
- Risk of spreading noxious or invasive species



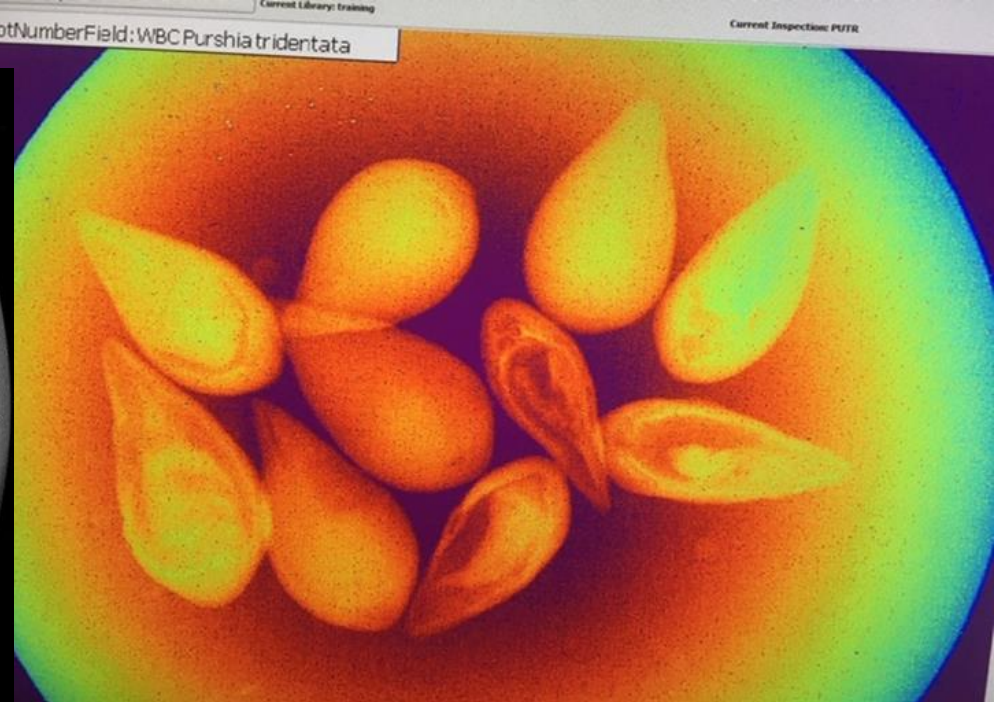
Busting Common Misconceptions of Seed Cleaning

- It is **NOT** easy to remove extraneous (chaff) material
- Costly \$\$\$
- Loss of desired seed



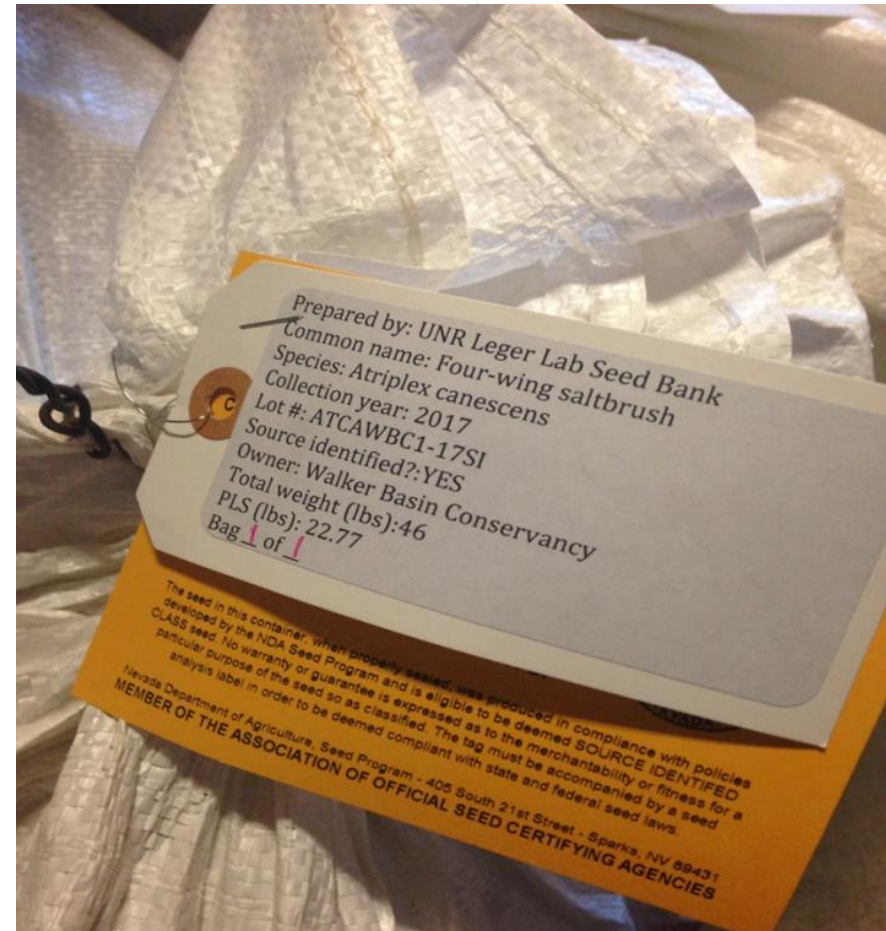
Seed Testing

- Cut tests
- Purity test
- Germination test
- X-ray machine



Storage

- Long-term and short-term



Species cleaned to-date

- 49 different species (GB & Mojave)
 - Shrubs, grasses, and forbs
- Over 225 different lots!



Ways we can contribute to seed production:

- We can clean by request, and can take payments with credit cards or P.O.
- A natural fit is cleaning wild-collected stock seed, or smaller lots (10lbs/less) of smaller increases
- We can scale up to a few hundred pounds: easiest for native grasses or cooperative forbs



Special Thanks to....

- **FS Bend Seed Extractory**
 - Kayla Herriman
 - Sarah Garvin
- **FS National Seed Lab**
 - Victor Vankus
- **FS Lucky Peak Nursery**
 - Clark Fleege



Shannon Swim
Leger Lab Seed Bank Manager
shannonswim@gmail.com
775-250-2905

