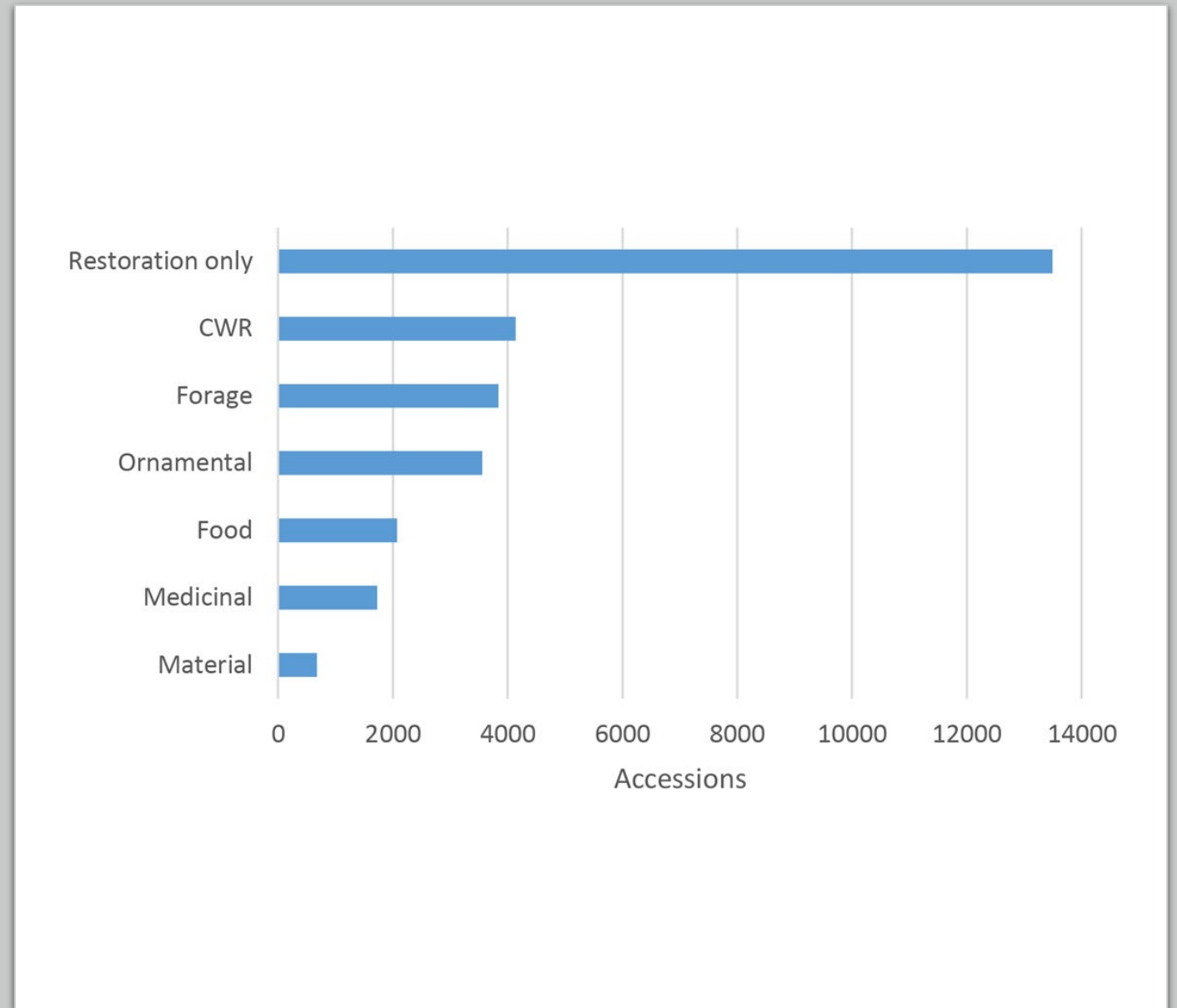


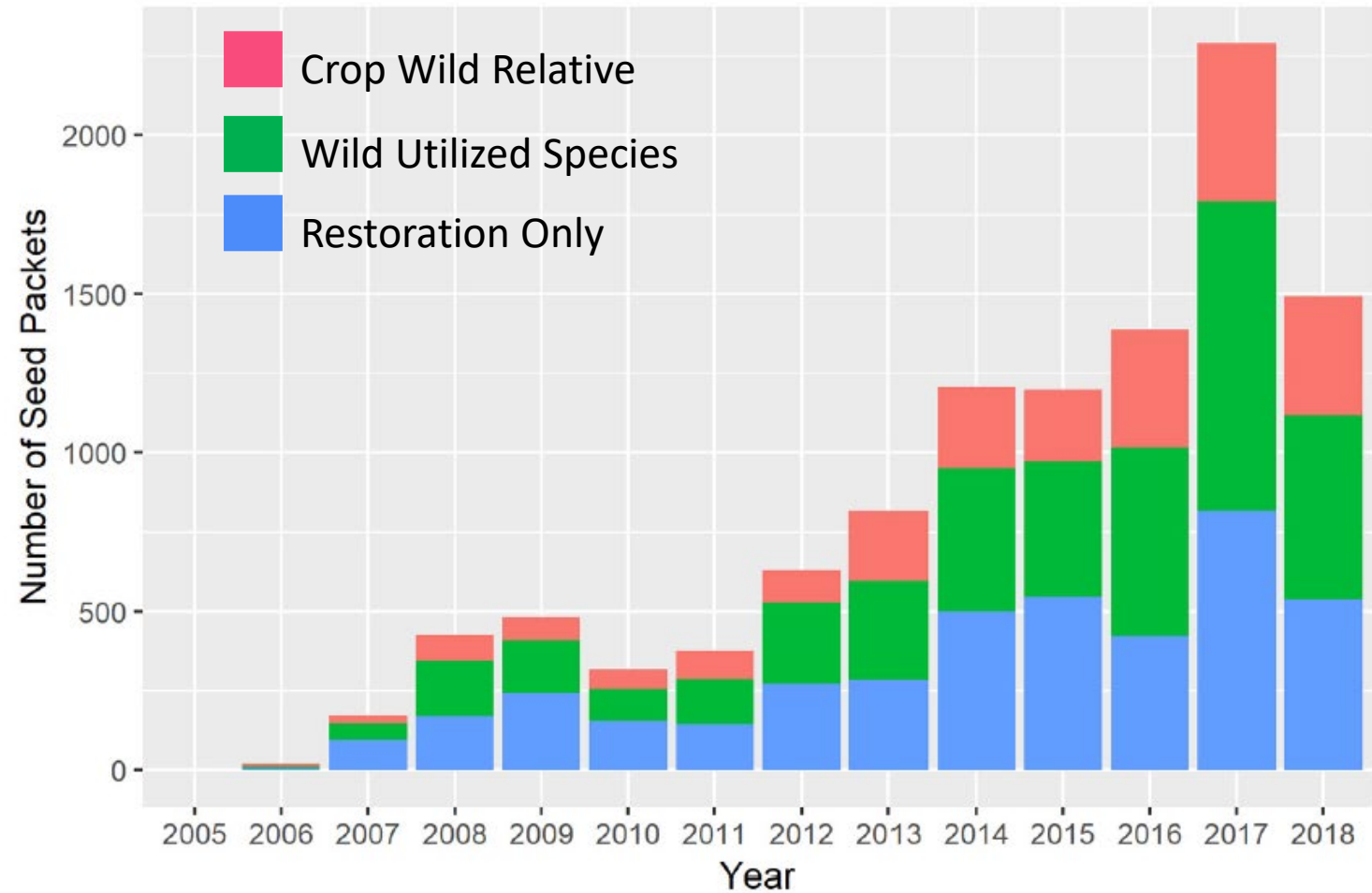
# NPGS SOS Collection Potential Agricultural Use

Number of accessions

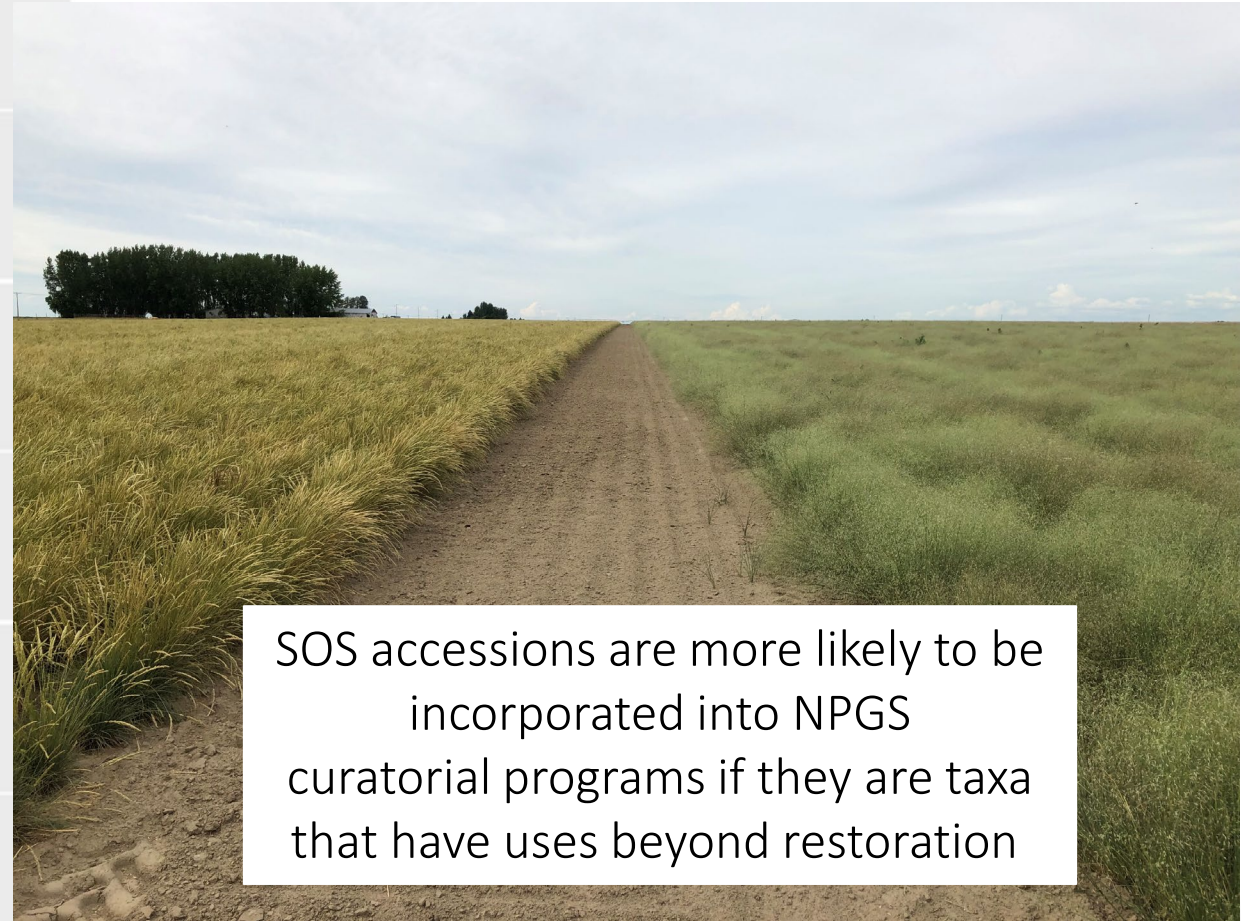
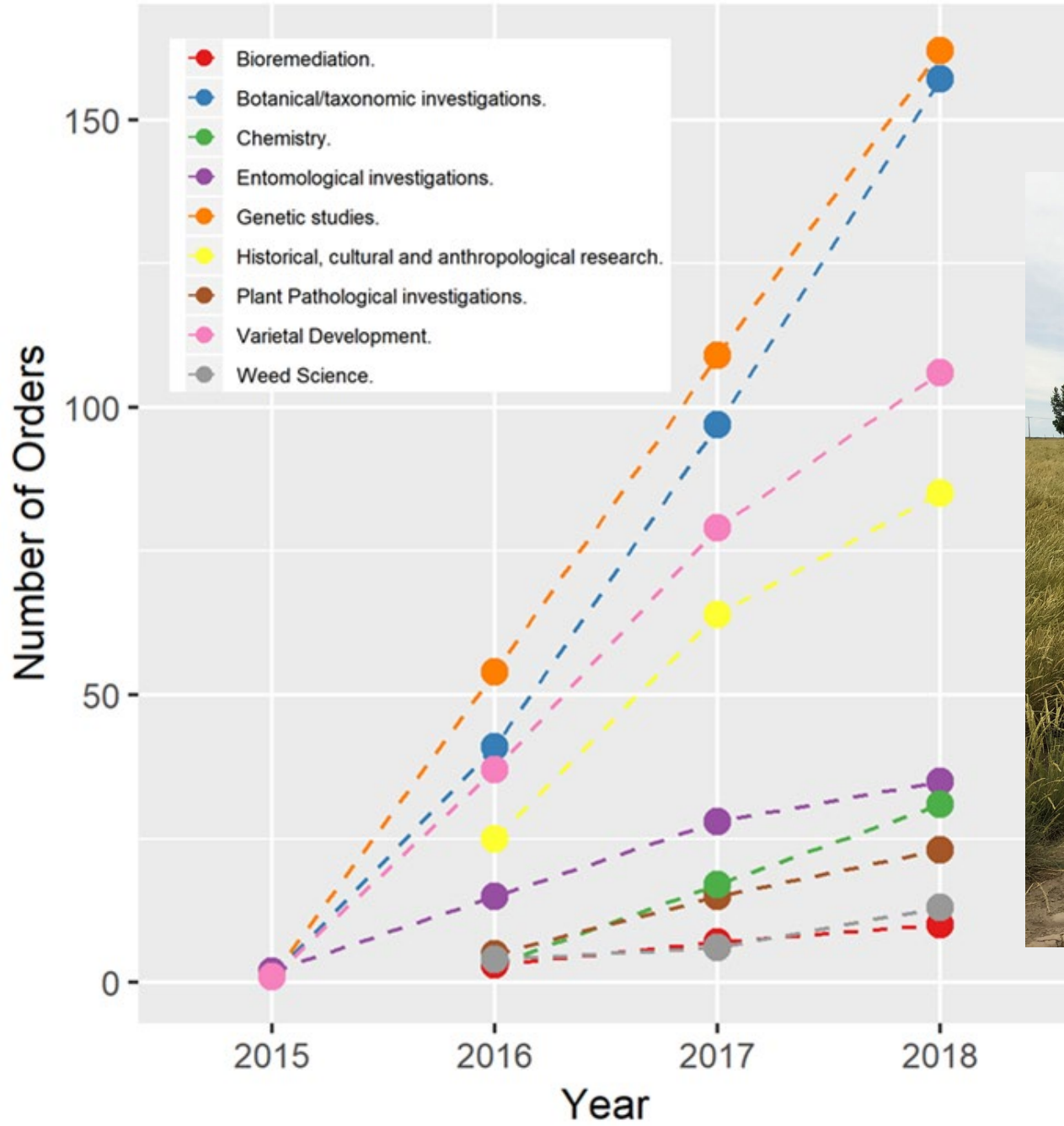
- Taxa used for restoration only
- Taxa having potential other uses



# NPGS SOS Collection Distribution by Use Category



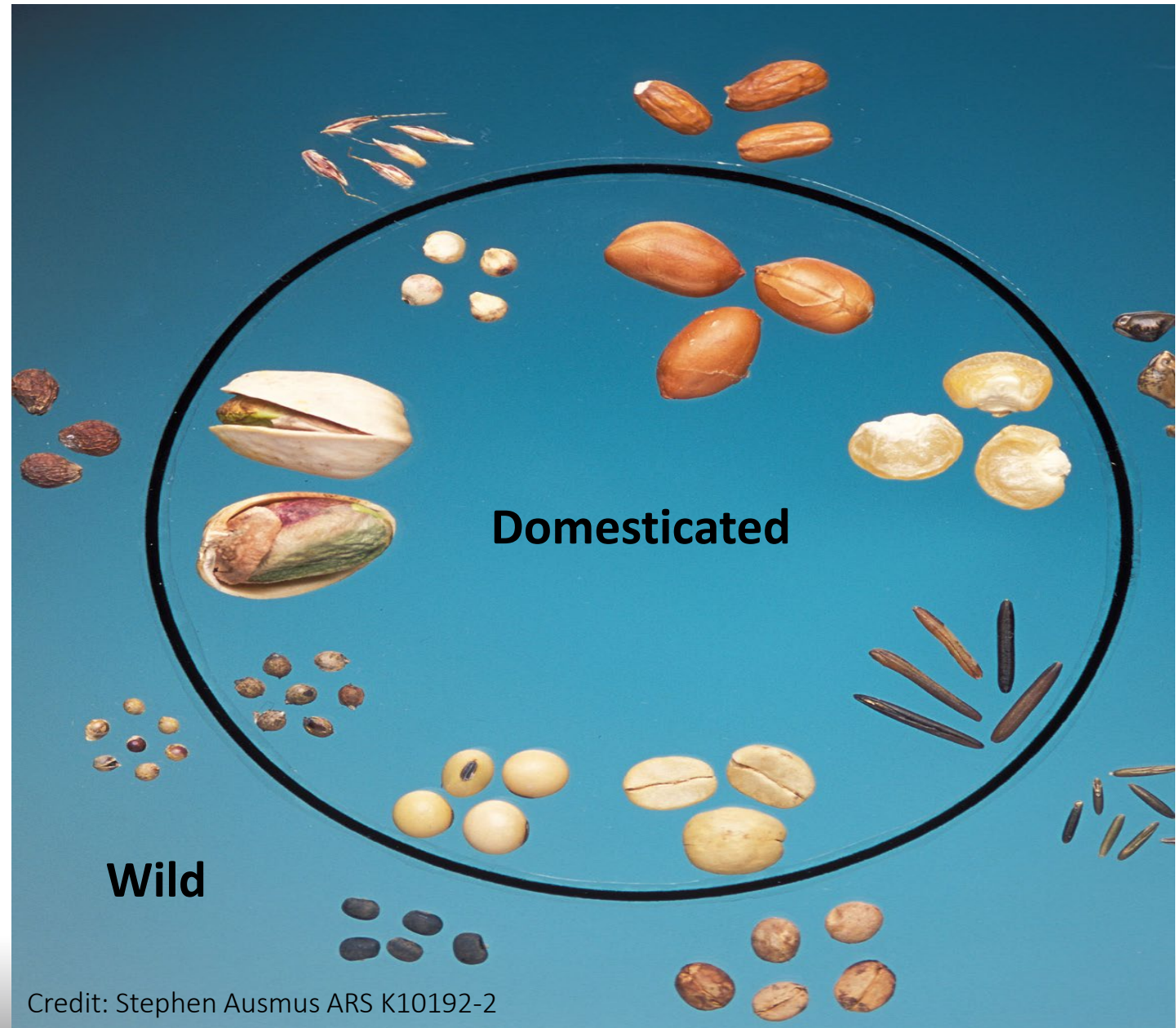
# Specific Uses





*Wild species are much more difficult to manage than are domesticated species!*

- Wild-collected seed has quality issues (i.e., *in situ* environment less optimal for good seed production)
- Production methods unknown (germination, seed production, storage)
- Seed testing and increase more difficult; dormancy, harvest quantity frequently low



Credit: Stephen Ausmus ARS K10192-2

# Challenges

- ~8,000 SOS accessions not actively curated (preserved & distributed)
- Resource constraints, especially at PGITRU (infrastructure & personnel)
- Research - seed testing, storage and production, genetic diversity, evaluations, ...

# Solutions

- Effective partnerships/collaborations (National Seed Strategy)
- Funding for research on PGR management of wild taxa
- Dedicated curatorial program for native PGR
- Strategic development of NPGS native plant collections
  - Content/size driven by balancing user & conservation needs against available management resources



*Consistent with its mission and role, the NPGS can contribute to conserving U.S. native plant germplasm*



# Acknowledgements



- USDA Agricultural Research Service
  - PGITRU - M. Cashman, L. Taylor, R.C. Johnson, L. Martin, B. Hellier
  - NLGRP - C. Walters, D. Carver, Seed Testing/Data Management team
  - National Programs - P. Bretting, P. Vadas
  - M. Schori, K. Williams, DBMU/GRIN-Global team
- Washington State University
- DOI Bureau of Land Management
  - P. Olwell, A. Lindquist, L. Prescott, ...

Thank you!