Seed Conservation Hub- Training and Resources

This seed collecting ‘hub’ provides a ‘one-stop-shop’ for seed banking information and training resources in order to build capacity to support seed collecting and raise seed banking standards.

How to start a seed bank:

- Bioversity International *The design of seed storage facilities for genetic conservation*
- MSBP Seed bank design - *Seed drying rooms*

Seed conservation standards:

- MSBP *Seed conservation standards*
- FAO *Genebank standards for Plant Genetic Resources for Food and Agriculture* [Es] [Fr] [Ar]
- CPC *Best Plant Conservation Practices to Support Species Survival in the Wild*

Complete guides:

- San Diego University *Native Seed collection, processing, and storage for revegetation projects*
- Greening Australia *Collect, treat and store seeds*

Seed collecting:

- MSBP *A field manual for seed collection* [Ru]
- INIA *Manual de Recoleccion y procesamiento de semillas de especies forestales*
- ENSCONET *Collecting protocol* [Fr] [Es] [Gr] [Po] [Del] [It] [Po] [Hu]
- Seeds of Success *Seed collecting techniques*
- Portland State University *Sampling for effective ex situ plant conservation*
- MSBP *Assessing a population for seed collection*
  - *Herbarium Specimens*
  - U.S. National Herbarium *Herbarium specimen preparation*
  - Seeds of Success *Voucher specimen techniques*
  - *Collecting specific groups of plants*
- FAO *A guide to forest seed handling*
- MSBP *Seed collecting manual: UK National Tree Seed Project*
- OSSSSU *Orchid seed collection* [Es]
- Global Tree Campaign *Threatened trees*
Seed banking:

- MSBP Cleaning seed collections for long term conservation
- Bioversity International Manual of seed handling in genebanks

- Drying

- MSBP Small scale seed drying methods
- MSBP Post Harvest handling of seed collections
- MSBP Low cost monitors of seed moisture status
- MSBP Measuring seed moisture status using a hygrometer

- Banking

- Bioversity International Seed Storage Behaviour: a Compendium
- Bioversity International A protocol to determine seed storage behaviour
- ENSCONET Curation Manual [Fr] [Es] [Gr] [Po] [De] [It] [Po]
- MSBP Selecting containers for long-term seed storage
- MSBP Identifying desiccation sensitive seeds
- MSBP Protocol for comparative seed longevity testing
- Bioversity International A guide to effective management of germplasm collections

- Germination and other testing

- Bioversity International Regeneration of accessions in seed collections: a decision guide
- MSBP Equilibrating seeds to specific moisture levels
- Ensocnet Germination recommendations
- OSSSU Tetrazolium test [Es]

Data:

- GBIF Plant distribution data
- Pep 725 European Phenology data
- RBG Kew Seed Information Database
- BGCI PlantSearch
- IUCN Red List of Threatened Species™
- The Plant List

Videos:

- Pavia University (in Italian) Videos on storage and drying
- Hawaii Island Native Seed Bank Native forest tree seed, collecting, processing and storage
- Tallgrass Prairie Centre Basics of seed banking
- Bioversity video Crop wild relatives
- Crop Trust CWR Training course in Uganda