



## 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] [De] [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](#)
  - OSSSU [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](#)
  - Ensconet [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](#)