

Florabank

Professional Development Training
Course for Seed Collectors



florabank

Florabank Professional Development Training Course Modules

Section 1 Introduction and Acknowledgements

- Authors
- Florabank
- Training Provider
- Acknowledgements
- Introduction – About the Florabank Training Course

Section 2 Detailed Index

Section 3 Seed Supply Process

- Coordinating seed supply
- Understanding Sellers - Planning ahead
- Seed availability
- Seed Supply and Biodiversity
- Understanding Buyers - Direct seeding versus tube stock
- Florabank as a potential solution
- Regional strategies
- Planning ahead as a collector
- Increasing the efficiency of seed use

Section 4 Provenance in Detail

- Definition and Concept
 - History
 - Use
 - Causes of Variation
 - Patterns of Variation
- Purpose of Planting
 - Local vs Introduced
 - Matching species/provenance to site
 - Hybrid/weed impacts
- Plant Breeding Systems
 - Types
 - Outcrossing
 - Inbreeding
 - Mixed Mating
 - Neighbourhood relationships

Section 5 Planning Seed Collection

- Weed Potential
- Identification/Distribution
- Target sites
- Timing/Maturity
- Types of Seed
- Permits

Section 6 Better Seed Collection

- Record Keeping
- Code of Practice
- Better Seed Collection
- OHSE and Methods

Section 7 Handling Seed after Collection

- Minimising impurities
- Effects of handling on seed quality

Section 8 Extracting and Cleaning Seed

- Seed Extraction
- Seed Cleaning

Section 9 Seed Processing

- Types of Seed
- Seed Processing
- Seed purity
- Phytosanitary
- Dormancy
- Seed testing

Section 10 Seed Storage

- Maintaining maximum viability
- Storage Containers
- Moisture Content
- Temperature

Section 11 Regulation of Seed Transfer

- Introduction
- Invasive Species

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- Local Seed Movements
- Export – International
- Import – International

Section 12 Seed Production Areas

- Seed Production Areas – Background
- Provenance and Seed Production
- Plant Breeding Systems and Seed Production
- Cultivation and Seed Production
- Reconstituting Fragmented Populations
- Avoiding Genetic Contamination
- Different Rules for Native Grasses
- Seed Production of Groundcover Species
- Producing High Quality Seed from Seed Production Areas

Section 13 Slides from Course Presentations

- Course slides and space to write notes.

Section 14 Glossary

- Two detailed Glossaries are reproduced on the CD provided in Section 16

Section 15 Assessment

- This section includes all the Assessment information, Activities and the Take-Home Project.

Section 16 Additional Material

- CD
- Florabank Guideline 4 – Seed Collection Record Sheets
- Low Cost Drying Igloo
- Chapter 14 – Ensuring Seed Requirements for Revegetation. Extract from Miles, CR. (2006) Integrated Vegetation Strategy for the Northern and Yorke Region, Northern and Yorke Natural Resources Management Board, South Australia.

Section 17 References

- References