

## Descriptors for Seed Processing and Management

### Seed cleaning.

- Accession number (an ID number).
- Reference to seed source (to trace the origin of the sample).
- Type of sample
- Method of extraction
- Method of threshing
- Method of cleaning
- Date of cleaning
- Proportion of empty, immature or damaged seed (%)
- Total seed number or weight after cleaning for storage
- Seed purity (%)

### Seed moisture content determination and drying

- Accession number (an ID number).
- Taxonomic identification.
- Seed moisture content at the time of receipt (%)
- Method used for moisture determination
- Pre-drying method, duration (where necessary)
- Final drying method
- Duration of final drying
- Final moisture content after drying (%)
- Date of final moisture content determination/test
- 100- or 1000-seed weight (g)
- Total dry weight of seeds (g) for storage

### Seed packaging and storage

- Accession number (an ID number).
- Taxonomic identification.
- Storage conditions/collection type
- Type of container, if this varies in the genebank

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- Type of container, if this varies in the genebank
- Number of containers
- Total amount of seeds stored (by weight or number)
- Date of storage
- Location in genebank
- Minimum amount of seed allowed (base unit) for dissemination/regeneration
- Location of safety duplicate, if available

### Seed viability testing

- Accession number (an ID number).
- Taxonomic identification.
- Number of seeds tested per replicate
- Number of replicates
- Method of germination testing
- Date of germination testing
- Duration of testing (or days of first and final counts)
- Number of germinated seeds at first count
- Dormant/hard seeds at first count (%)
- Special treatments for dormancy breaking (if any)
- Final germination (% normal seedlings)
- Abnormal germination (%)
- Dead seeds (%)
- Tolerance levels for statistical accuracy

### Seed health testing

- Accession number (an ID number).
- Taxonomic identification.
- Source of the material for testing
- Type of material (leaf, stem, root, seeds)
- Number of plants sampled and tested per replicate
- Number of replicates
- Organisms tested for
- Method of testing
- Date of test
- Duration of test, if appropriate
- Diseases identified
- Incidence of each disease (%)

### Seed testing for transgenes

- Reference to seed source (to trace the origin of the sample).
- Source of the material for testing
- Type of material (leaf, seedling, and seed)
- Number of plants sampled and tested per replicate
- Number of replicates
- Transgenes tested
- Method of testing
- Date of test
- Duration of test, if appropriate
- Transgenes identified
- Incidence of each transgene (%)

### Germplasm distribution

#### Master file

- Distribution reference number
- Recipient's address
- Date requested
- Date of supply
- Total number of accessions distributed
- Purpose of request
- Phytosanitary certificate (where applicable)
- Export permits number (where applicable)
- Recipient's *import permits* number (where applicable)

#### Accession details file

- Distribution reference number
- Accession number
- Amount of seeds distributed
- Designation status of materials in trust or under the International Treaty