

ECPGR *Prunus* Working Group

AEGIS selection of Most Appropriate Accessions *List of minimum passport descriptors for all Prunus species*

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The group started the discussion on the basis of the minimum standards for *Prunus* conservation that were proposed by the AEGIS *Prunus* sub-group in 2008.

The following suggestions/precisions were made in order to complement the proposal made in 2008.

Minimum passport data required for the AEGIS selection of MAAs:

- **Mandatory:**

- ACCENUMB: Accession number (i.e. unique identifier for a given accession within a genebank collection)
- ACCENAME: Accession name (if existing)
- INSTCODE: Holding institute FAO code
- GENUS
- SPECIES (i.e. list of species validated by the ECPGR *Prunus* WG¹)
- ORIGCTY: Country of origin of the variety name (but not to be confused with the country of the donor! If not known, it should be left blank)

For information, ACCENUMB, INSTCODE, GENUS, and SPECIES are EURISCO mandatory fields.

- **Recommended:**

- ACQDATE: Acquisition date (i.e. date on which the accession entered the collection)
- DONORCODE & DONORDESCR: Information about the donor (i.e. FAO code and/or name of the donor institute)
- DONORNUMB: Donor accession number (i.e. number assigned to an accession by the donor)
- OTHERNUMB: Other identification (numbers) associated with the accession
- BREDCODE & BREDDDESCR: Information about the breeding institute (i.e. FAO code and/or name of the breeding institute)
- IDENTIF (**new encoding!!**): Identification of material (using a standardized method that needs to be defined)
- HEALTHSTATUS (**new!!**): Pest and disease status
- SAMPSTAT: Biological status of accession
- STORAGE: Type of germplasm storage (but this EURISCO descriptor needs to be revised, e.g. it is not possible to indicate that an accession is stored both in the "field" AND in "greenhouse")

➔ This list of minimum passport descriptors was validated by the members of the ECPGR *Prunus* WG at end November 2010.

¹ Zanetto A, Maggioni L, Tobutt KR, Dosba F. 2002. *Prunus* genetic resources in Europe: Achievement and perspectives of a networking activity. Genetic Resources and Crop Evolution 49:331-337.

Notes: The following changes have been made to the previous version (September 2010)

✓ **Mandatory**

NICODE was suppressed because this descriptor is not assigned by the genebank but by the National Inventory Focal Point when preparing the list of accessions to upload on EURISCO

✓ **Recommended** and **Other recommended** have been merged into Recommended, without prioritization

✓ The following **Recommended** descriptors have been reworded/recoded

IDENTIF. As there is no standardized method at the moment, this descriptor cannot be used in practice. The following changes to the previous codes are suggested:

Old version of IDENTIF:

1. verified
2. probable
3. uncertain

New suggested version of IDENTIF:

1. verified, comparing data from phenotypic observations and from pomology reference books
2. verified, using molecular markers
3. verified, using molecular markers and comparing data from phenotypic observations and from pomology reference books
4. verified, using other identification methods (Elaborate in REMARKS field)
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9. not verified

Other methods of identification can be added later, using codes 5, 6, 7, 8.

VIRUSTATUS and VIRUSDATE: Virus disease status. The EPDB manager suggested to replace the two descriptors with the new descriptor HEALTHSTATUS, with new codes. In practice,

Old version of VIRUSTATUS (Virus disease status including mycoplasma):

1. virus disease free from quarantine pest and disease
2. virus disease present
3. not tested
4. free from Sharka

Old version of VIRUSDATE: Date of last verification of the virus disease status as YYYYMMDD

HEALTHSTATUS descriptor (new!):

1. accession free from quarantine pest and disease, as resulting from a recent (<2 years) evaluation test (e.g. ELISA or PCR tests)
2. accession free from quarantine pest and disease, as resulting from a not recent (>2 years) evaluation test (e.g. ELISA or PCR tests)
3. accession free from quarantine pest and disease, as resulting from a recent (<2 years) visual prospection of pest and disease symptoms
4. accession free from quarantine pest and disease, as resulting from a non recent (>2 years) visual prospection of pest and disease symptoms
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8. accession not free from quarantine pests/diseases as resulting from tests/visual prospection
9. health status not yet controlled

Other methods of phytosanitary control can be added later, using codes 5, 6, 7.