

## Appendix I. International Flax Data Base (IFDB) descriptors

### (From: Flax Genetic Resources in Europe

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L. Maggioni, M. Pavelek, L.J.M. van Soest and E. Lipman, *compilers*. pp 72-73)

### **Passport descriptors**

The database is using the 28 FAO/IPGRI Multi-crop passport descriptors (see [http://www.ipgri.cgiar.org/publications/pubfile.asp?ID\\_PUB=124](http://www.ipgri.cgiar.org/publications/pubfile.asp?ID_PUB=124)).

Additionally, the following passport descriptors are used:

#### **A. Year of release [YYYY]**

Year of release of the cultivar, or year of registration

#### **B. Type of use**

- 1 Flax
- 2 Linseed
- 3 Combined/Intermediate

#### **C. Pedigree**

Parentage or nomenclature, and designations assigned to breeder's material

#### **D. Year of input into IFDB [YYYY]**

Year on which the accession data were first entered into the IFDB

#### **E. Date of updating [YYYYMMDD]**

Date on which the accession data were updated in the IFDB

## **Characterization and evaluation descriptors (28)**

### **Morphological characters (17)**

#### **1. Plant growth habit**

- 1 Prostrate
- 2 Spreading
- 3 Semi-erect
- 4 Erect

#### **2. Plant life cycle**

- 1 Annual
- 2 Biennial
- 3 Perennial

#### **3. Plant natural height**

- 1 Very short
- 3 Short
- 5 Medium
- 7 Tall
- 9 Very tall

#### **4. Stem length**

- 1 Very short
- 3 Short
- 5 Medium
- 7 Long
- 9 Very long

#### **5. Flower: size of corolla**

- 3 Small
- 5 Medium
- 7 Large

#### **6. Flower: shape**

- 1 Regular
- 2 Star
- 3 Semi-star

#### **7. Sepal dotting**

- 1 Absent or very weak
- 3 Weak
- 5 Medium
- 7 Strong
- 9 Very strong

#### **8. Petal colour: colour of corolla (when fully developed)**

- 1 White
- 2 Light blue
- 3 Blue
- 4 Pink
- 5 Red violet
- 6 Violet

#### **9. Petal: longitudinal folding**

- 0 Absent
- 1 Present

#### **10. Anther colour**

- 1 Yellowish
- 2 Bluish
- 3 Greyish
- 4 Orange

**11. Stamen: filament colour at top**

- 1 White
- 2 Blue
- 3 Violet

**12. Style colour at base**

- 1 White
- 2 Yellow
- 3 Blue

**13. Boll type**

- 1 Dehiscent, fully opened
- 3 Dehiscent, half-opened
- 5 Semi-dehiscent
- 7 Weakly dehiscent
- 9 Undehiscent

**14. Boll size**

- 3 Small
- 5 Medium
- 7 Large

**15. Boll: ciliation of septa**

- 0 Absent
- 1 Present

**16. 1000-seed weight [g]**

(In grams, to two decimal places)

**17. Seed colour**

- 1 Yellow
- 3 Light brown
- 5 Brown
- 7 Dark brown
- 9 Green

**Biological characters (4)****18. Resistance to lodging**

- 1 Very low
- 3 Low
- 5 Medium
- 7 High
- 9 Very high

**20. Vegetation period (to maturity)**

- 1 Very early
- 3 Early
- 5 Medium early
- 7 Medium late
- 9 Late

**19. Fusarium susceptibility**

- 1 Very low
- 3 Low
- 5 Medium
- 7 High
- 9 Very high

**21. Time of beginning of flowering**

- 9 Very early
- 7 Early
- 5 Medium early
- 3 Medium late
- 1 Late

**Agronomic characters (6)****22. Fibre content in straw**

- 9 Very high
- 7 High
- 5 Medium
- 3 Low
- 1 Very low

**25. Oil content**

- 9 Very high
- 7 High
- 5 Medium
- 3 Low
- 1 Very low

**23. Fibre yield**

- 9 Very high
- 7 High
- 5 Medium
- 3 Low
- 1 Very low

**26. Oil yield**

- 9 Very high
- 7 High
- 5 Medium
- 3 Low
- 1 Very low

**24. Seed yield**

- 9 Very high
- 7 High
- 5 Medium
- 3 Low
- 1 Very low

**27. Linolenic acid content**

- 9 Very high
- 7 High
- 5 Medium
- 3 Low
- 1 Very low

**Cytological character (1)****28. Ploidy level**

(2x, 3x, 4x, etc.)