

Datasheet No. A-097.002.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Luzula campestris* (L.) DC.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Cyperella campestris* MacMill., *Gymnodes campestris* Fourr., *Juncoides campestre* (L.) Coville, *J. campestris* (L.) Kuntze, *J. campestris* var. *vulgaris* E.Sheld., *Juncus campestris* L., *J. subpilosus* Gilib., *Luciola campestris* Sm., *Luzula campestris* f. *collina* (G.Mey.) Buchenau, *L. campestris* f. *hornemannii* Blytt, *L. campestris* subsp. *iberica* P.Monts., *L. campestris* subsp. *longistyla* Celak., *L. campestris* var. *campestris*, *L. campestris* var. *collina* G.Mey., *L. campestris* var. *elata* Schldl., *L. campestris* var. *erectiuscula* Kouharov, *L. campestris* var. *insularis* Briq., *L. campestris* var. *luteola* (Asch. & Graebn.) V.I.Krecz., *L. campestris* var. *major* Bluff & Fingerh., *L. campestris* var. *pseudonemorosa* Schur, *L. campestris* var. *pumila* Schldl., *L. campestris* var. *rectirama* Murr., *L. campestris* var. *tenella* Nyman, *L. campestris* var. *terana* P.Monts., *L. campestris* var. *vulgaris* Gaudin, *L. campestris* var. *welwitschia* Cout., *L. campestroides* H.Lév., *L. insularis* Rouy, *L. subpilosa* V.I.Krecz. & Gontsch., *L. subpilosa* (Gilib.) V.I.Krecz., *L. vulgaris* Buchenau

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Poales Small
- Family: Juncaceae Juss.
- Genus: *Luzula* DC.
- Species: *L. campestris* (L.) DC.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Calycineae
- Ordo: Juncaceae Juss.
- Genus: *Luzula* DC.
- Species: *L. campestris* (L.) DC.

4. Distribution:

Global: Albania, Algeria, Austria, Baltic States, Belarus, Belgium, Bulgaria, Central European Rus, Corse, Czechoslovakia, Denmark, Finland, France, Føroyar, Germany, Great Britain, Greece, Hungary, India, Ireland, Italy, Morocco, Netherlands, North European Russia, Northwest European R, Norway, Poland, Portugal, Romania, Sardegna, Spain, Sweden, Switzerland, Turkey-in-Europe, Ukraine, Yugoslavia

India: Arunachal Pradesh, Jammu and Kashmir, Meghalaya, Uttar Pradesh, Tamil Nadu

5. Indigenous/Exotic/Endemic; Cultivated/Wild: Wild

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb

8. Life Form:

9. Economic Importance: Used in folk medicine

10. Probable Progenitor of:

11. DNA

C-value

Methodology

2C (0.82±0.01 pg)⁹

Flow cytometry⁹

4C (5.89±0.29 pg)¹

Feulgen cytophotometry¹

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=12^{1,2,3,4,5,6,7,8,9}$; $2n=30^5$

14. Gametic chromosome number(s): $n=6^{7,8}$

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid⁹

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):