

Datasheet No. A-097.002.008
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Luzula plumosa*E.Mey.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Juncoides plumosa* Kuntze, *Juncus plumosus* Wall. ex Walp., *Luzula jimboi* var. *integra* Satake, *L. pilosa* var. *plumosa* (E.Mey.) Franch., *L. plumosa* var. *acuminata* Pamp., *L. plumosa* var. *albida* Satake, *L. plumosa* var. *brachycarpa* Satake, *L. plumosa* var. *brevipes* (Franch. & Sav.) Ebinger, *L. plumosa* var. *sphaerosperma* Satake, *L. rostrata* subsp. *darjeelingensis* Satake, *L. rufescens* subsp. *plumosa* (E.Mey.) Kuvaev, *L. rufescens* var. *brevipes* Franch. & Sav.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Poales Small
- Family: Juncaceae Juss.
- Genus: *Luzula* DC.
- Species: *L. plumosa*E.Mey.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Calycineae
- Ordo: Juncaceae Juss.
- Genus: *Luzula* DC.
- Species: *L. plumosa*E.Mey.

4. Distribution:

Global: China, India, Japan, Nepal, Tibet

India: Arunachal Pradesh, Assam, Manipur, Meghalaya, Nagaland, Sikkim, Uttarakhand, Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb; grows in moist conifer and oak forests

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=46^{24}$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

Image file

17. Agametoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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 (Aponixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):