

Species Data Sheet

DBT- Network Programme

Datasheet No. A-098.008.001
(family.genus.species)

1. Taxon: *Eriophorum* L

Species: *Eriophorum comosum* (Wall.) Wall. ex Nees

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Erioscirpus comosus* (Wall.) Palla (Accepted Name)

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Eriophorum* L
- Species: *E. comosum*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Eriophorum* L
Species: *E. comosum*

4. Distribution:

Global: Himalaya, Afghanistan, Bangladesh, Bhutan, China, Indonesia, Myanmar, Nepal, Pakistan, Vietnam and Indonesia.

India: Jammu Kashmir, Bengal, Bihar, Orissa, Rajasthan (Nilgiri Biosphere Reserve and Western Ghats in Tamilnadu).

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb

8. Life Form: Perennial

9. Economic Importance: The Gujjar and Bekarwal tribes in Jammu and Kashmir use the leaves for tying purpose.

10. Probable Progenitor of:

11. DNA

C-value

Methodology:

12. Basic chromosome number(s): $x=26^2$

13. Zygotic chromosome number(s): $2n=52^{1,2}$

14. Gametic chromosome number(s): $n=26^{1,2,3}$

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

Image file

16. Ploidy level: Diploid²

Image file

17. Agamete ploidy:

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: $26II^2$

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):