

Genus Data Sheet

Datasheet No. A-098.008
(family,genus,species)

DBT- Network Programme

1. Genus:*Eriophorum* L

3. Systematic position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

3. Species:

Global:25

India:03

4. Taxonomic riddles:

5. 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).

6. Habit and Habitat:Herb

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

8. DNA content range:

Methodology

2C: 4C:

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

10. Zygotic chromosome number(s): $2n=52^{1,2,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,22}$

11. Gametic chromosome number(s): $n=26^{1,2,3,29^{8,20}}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes Neocentric chromosomes):

13. Ploidy level: Diploid²

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

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

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes: GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Two species has been done out of total three as per APG-IV.