

Species Data Sheet

DBT- Network Programme

Datasheet No. A-098.009.024
(family.genus.species)

1. Taxon: *Fimbristylis* Vahl

Species: *Fimbristylis cymosa* R. Br.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Fimbristylis cymosa* var. *typica* Domin, nom. inval., *Iriacymosa* (R.Br.) Kuntze
Scirpus cymosus (R.Br.) Poir., nom. illeg.

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Fimbristylis* Vahl
- Species: *F. cymosa*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Fimbristylis* Vahl
Species: *F. cymosa*

4. Distribution:

Global: Afghanistan, Pakistan and Myanmar.

India: Assam, Maharashtra and Punjab

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb

8. Life Form: Annual

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=10^{2,20}22^{15}28^{49}32^{15}40^448^{3,4,10,47,49}52^{48}96^{21,22}$ ca124^{8,20}

14. Gametic chromosome number(s): $n=5^{2,8,20}24^{47}44^{23}48^{21,22}49^9$ ca62²⁰

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

Image file

16. Ploidy level:

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:

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):