

Species Datasheet

Datasheet No. A-098.003.001
(family.genus.species)

DBT- Network Programme

1. Taxon: *Ascopholis* C.E.C. Fischer

Species: *Ascopholis gamblei* C.E.C. Fischer

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Cyperus mollipes* (C. B. Clarke) K. Schum. (Accepted Name)

3. Systematic Position: APG IV; Bentham and Hooker: Cyperaceae

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Ascopholis* C.E.C. Fischer
- Species: *A. gamblei*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Ascopholis* C.E.C. Fischer
Species: *A. gamblei*

4. Distribution:

Global: India (Mont Nilgiri)

India: India (Mont Nilgiri)

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

6. Threat Status:

IUCN: Least concern

BSI

7. Habit and Habitat: Herb

8. Life Form: Perennial

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s): $x=5$ ¹

13. Zygotic chromosome number(s): $2n=80$ ^{1,2}

14. Gametic chromosome number(s):

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

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16. Ploidy level: Octaploid¹

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17. Agameteoploidy:

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

19. Genomic formula:

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

21. Somatic chromosomes:

Karyotype: Mostly metacentric and submetacentric¹

Chromosome size: small size¹

NOR chromosome(s): 2NOR¹

Degree of asymmetry: Symmetrical

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; Translocations etc):