Species Datasheet

Datasheet No. A-098.006.001 **DBT- Network Programme**
(family.genus.species)

1.Taxon:*Bulbostylis* Kunth
Species:*B. barbata* (Rottb.) C.B.Cl.
Subspecies**:**
Variety**:**
Cultivar**:**
Hybrid**:**
Image file

2. Synonyms:*Abildgaardiabarbata*(Rottb.) P.Beauv., *Cyperus barbata*(Rottb.) Poir.,*Fimbristylis barbata* (Rottb.) Benth.,*Iriabarbata* (Rottb.) Kuntze, *Isolepis barbata* (Rottb.)R.Br., *Scirpusbarbatus* Rottb.,*Stenophyllusbarbatus* (Rottb.) T.Cooke.

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

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Bulbostylis* Kunth
- Species: *B. barbata*

Bentham and Hooker(1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Bulbostylis* Kunth
Species: *B. barbata*

4.Distribution:

Global: Tropics and subtropics region (Africa and Asia)

India: Assam, Keralaand Tamil Nadu

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

6.Threat Status:

IUCN: Least concern

BSI:

7.Habit and Habitat: Herb

8.Life Form: Annual

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology:

12.Basic chromosome number(s):x=5[1,3,6,7]

13. Zygotic chromosome number(s):2n=10[1,2,7,8,9,11]

14. Gametic chromosome number(s):n=5[1,2,3,5,6,7,10,12]

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

Image file

16.Ploidy level: Diploid[1,2,3,6]

Image file

17.Agametoploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:

Karyotype: Submetacentric[2]

Chromosome size: Medium size[2]

NOR chromosome(s):

Degree of asymmetry: Moderately Symmetrical[2]

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:5II[1,10]

Image file

27.Chromosome distribution at anaphase I:5:5[6]

28. Genetic diversity:

Chromosomal level:

Image file

DNA level

29.Any other information (Apomixis; Inversion; Male sterility;Pollen grain mitosis; Pollen stainability;Translocations etc):

Pollen Mitosis (n=5)[1,2]