

# Species Data Sheet

Datasheet No. A-098.020.020  
(family.genus.species)

DBT- Network Programme

**1. Taxon:** *Mariscus* Vahl

Species: *Mariscus squarrosus* (L.) C.B.Cl

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Cyperus squarrosus* L., *Cyperus brownii* Roem. & Schult., *Cyperus falciculosus* Liebm., *Cyperus inflexus* Muhl., *Cyperus inflexus* var. *acaulis* Hook.f.

**3. Systematic position:**

**APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Mariscus* Vahl
- Species: *Mariscus squarrosus*

**Bentham and Hooker (1862)**

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Glumaceae  
Ordo: Cyperaceae Juss.  
Genus: *Mariscus* Vahl  
Species: *Mariscus squarrosus*

**4. Distribution:**

**Global:** Australia, Bahamas, Bhutan, Bolivia, Botswana, Brazil, Burundi, Cameroon, and Canada.

**India:** Goa, Himachal Pradesh, Kerala, Karnataka, Maharashtra, Maghalaya

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

**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-value**

**Methodology:**

**12.Basic chromosome number(s):**

**13. Zygotic chromosome number(s):** $2n=94^{21087}$

**14. Gametic chromosome number(s):** $n=47^{6547}$

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

Image file

**16.Ploidy level:**

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:**

**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):**