

# Species Data Sheet

Datasheet No. A-098.020.017  
(family.genus.species)

DBT- Network Programme

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

Species: *Mariscus paniceus* (Rottb.) Vahl

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Cyperus paniceus* (Rottb.) Boeckeler

**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 paniceus*

**Bentham and Hooker (1862)**

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

**4. Distribution:**

**Global:** Australia, Myanmar, Bhutan, Sri Lanka, Bangladesh, Nepal, Pakistan and Thailand.

**India:** Assam, Gujarat, Himachal Pradesh, Kerala, Karnataka, Maharashtra, Sikkim, West Bengal

**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):**  $2n=84^{1,4}$  ca.  $126^2$

**14. Gametic chromosome number(s):**  $n=42^{1,4}$  ca.  $63^{698^5}$

**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):**