

# Genus Data Sheet

**Datasheet No. A-098.020**  
(family,genus,species)

**DBT- Network Programme**

**1. Genus:***Mariscus*Vahl.

**3. Systematic position:**

**APG IV (2016)**

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

**Bentham and Hooker (1862)**

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

**3. Species:**

**Global:**86

**India:** 14

**4. Taxonomic riddles:**

**5. Distribution:**

**Global:**Indonesia,India,Lao People's Democratic Republic, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Thailand, Viet Nam.

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

**6. Habit and Habitat:**Herb

**7.Economic Importance:**

**8. DNA content range:**

**Methodology**

**2C: 4C:**

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

**10. Zygotic chromosome number(s):** $2n=84^1,486^2,394^2,108^7,112^7,126^2$

**11. Gametic chromosome number(s):**  $n=42^{1,4}43^{2,3}47^654^763^698^5$

**12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes Neocentric chromosomes):**

**13. Ploidy level:**

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

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

**16. Karyograms:**

**Meiosis:**

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes:GISH:**

**19. Phylogenetic relationship at Chromosomal; DNA level:**

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:** Four species have been done out of total Fourteen as per APG-IV.