

# Genus Data Sheet

Datasheet No. A-078.009  
(Family.Genus)

DBT- Network Programme

1. **Genus:** *Tricarpelema* J.K. Morton

## 2. Systematic position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Tricarpelema* J.K. Morton

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Tricarpelema* J.K. Morton

## 3. Species:

**Global:** 8

**India:** 2

## 4. Taxonomic riddles:

## 5. Distribution:

**Global:** West-Central Tropical Africa and South East Tibet to Malesia

**India:** Arunachal Pradesh, Nagaland, Mizoram, West Bengal

**6. Habit and Habitat:** Herb. Hills along the forest margins

## 7. Economic Importance:

## 8. DNA content range:

2C

4C

## Methodology

## 9. Basic chromosome number(s):

**10. Zygotic chromosome number(s):**  $2n=48^{1,2,3,4}$

**11. Gametic chromosome number(s):**

**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, aneusomy, polysomy):**

**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:**