

# Species Data Sheet

Datasheet No. A-078.009.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Tricarpelema giganteum* (Hassk.) H.Hara

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Aclisiathomsonii* C.B.Clarke *Aneilemathomsonii* (C.B.Clarke) C.B.Clarke  
*Dichaespermum giganteum* Hassk., *Tricarpelem. thomsonii* (C.B.Clarke) J.K. Morton

## 3. 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
- Species: *T. giganteum* (Hassk.) H.Hara

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Tricarpelema* J.K. Morton  
Species: *T. giganteum* (Hassk.) H.Hara

## 4. Distribution:

**Global:** Bhutan, India

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

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

## 6. Threat Status:

**IUCN:**

**BSI:**

7. **Habit and Habitat:** Herb. Found in undergrowth of forest

## 8. Life Form:

## 9. Economic Importance:

## 10. Probable Progenitor of:

**11.DNA**

C-value Methodology

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

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

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

**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, 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):**