

# Species Data Sheet

Datasheet No. A-078.011.002  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Belosynapsiskewensis*Hassk.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

## 2. Synonyms:

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: CommelinalesMirb. exBercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Belosynapsis*Hassk.
- Species: *B.kewensis*Hassk.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Belosynapsis*Hassk.  
Species: *B.kewensis*Hassk.

## 4. Distribution:

**Global:**India

**India:**Tamil Nadu

**5. Indigenous/Exotic/Endemic; Cultivated/Wild:**Endemic to Western Ghats

## 6. Threat Status:

**IUCN:**

**BSI**

**7. Habit and Habitat:**Repent hirsute herb, tropical moist forest, growing on rocks.

**8. Life Form:**Chamaephytes

**9. Economic Importance:**Cultivated in some European Gardens

**10. Probable Progenitor of:**

**11.DNA**

C-valueMethodology

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

**13. Zygotic chromosome number(s):** $2n=52^{1,5,6}$

**14. Gametic chromosome number(s):** $n=26^1$

**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):**