

# Species Datasheet

Datasheet No. A-078.001.011  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Commelina indehiscens* E. Barnes

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

## 2. Synonyms:

## 3. Systematic position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Commelina* L.
- Species: *C. indehiscens* E. Barnes

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Commelina* L.  
Species: *C. indehiscens* E. Barnes

## 4. Distribution:

**Global:** India, Sri Lanka

**India:** Karnataka, Kerala, Tamil Nadu

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Herb, occurs in swamps and margins of streams in wet evergreen forest along the roadsides, undergrowth of Bamboos

**8. Life Form:** Chamaephyte

**9. Economic Importance:** Medicinal application on burns and Leprosy

**10. Probable Progenitor of:**

**11.DNA**

**C-valueMethodology:**

**12.Basic chromosome number(s):** $x=15^{35}$

**13. Zygotic chromosome number(s):** $2n=120^{35}150^{32}$

**14. Gametic chromosome number(s):** $n=75^{31}$

**15.Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):**

Image file

**16.Ploidy level:**Octaploid<sup>35</sup>

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; Translocations etc):**