

# Species Datasheet

Datasheet No. A-078.001.007  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Commelina ensifolia* R.Br.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Commelina ensifolia* var. *pubescens* C. B. Clarke, *C. lunata* B. Heyne ex C. B. Clarke, *C. undulata* var. *setosa* C.B. Clarke

## 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. ensifolia* R. Br.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Commelina* L.  
Species: *C. ensifolia* R. Br.

## 4. Distribution:

**Global:** Australia New South Wales, India, Queensland, South Australia, Sri Lanka, Western Australia

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

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

## 6. Threat Status:

**IUCN:**

**BSI:**

7. **Habit and Habitat:** Herb, in rocky crevices, along the forest edge, in slopes of grasslands

8. **Life Form:** Rhizomatous geophyte

9. **Economic Importance:**

10. **Probable Progenitor of:**

**11.DNA**

C-value Methodology

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

**13. Zygotic chromosome number(s):**  $2n=90^{8,32}$

**14. Gametic chromosome number(s):**  $n=45^{31}$

**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; Translocations etc):**