

# Species Datasheet

Datasheet No. A-098.001.026  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Cyperus involucratus* Rottb.,

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

**2. Synonyms:** *Cyperus alternifolius* subsp. *flabelliformis* Kük., *C. alternifolius* var. *flabelliformis* (Rottb.) M.R.Almeida, *C. alternifolius* var. *petersianus* (Boeckeler) Kük., *C. flabelliformis* Rottb., *C. flagellatus* Hochst., *C. gradatus* Forssk., *C. petersianus* Boeckeler, *C. proximus* Steud.

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Cyperus* L.
- Species: *C. involucratus* Rottb.

### Bentham and Hooker(1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Glumaceae  
Ordo: Cyperaceae Juss.  
Genus: *Cyperus* L.  
Species: *C. involucratus* Rottb.

## 4. Distribution:

**Global:** Tropical Africa to KwaZulu-Natal, West Indian Ocean and Arabian Peninsula

**India:**

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Herb. Found in tropical moist 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):**  $2n=30^{17}$

**14. Gametic chromosome number(s):**  $n=16^{1,3,16}$

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

Image file

**16. Ploidy level:**

Image file

**17. Agamete ploidy:**

**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):**