

# Species Datasheet

Datasheet No. A-098.001.049  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Cyperus platystylis* R. Br.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Anosporumpallidum* Boeckeler, *Cyperus fluitans* Buch.-Ham. ex C.B. Clarke, *C. pallidus* Nees,

## 2. Systematic Position:

### APG IV (2016)

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

### Bentham and Hooker(1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Glumaceae  
Ordo: Cyperaceae Juss.  
Genus: *Cyperus* L.  
Species: *C. platystylis* R. Br.

## 4. Distribution:

**Global:** Southtropical & subtropical Asia to Australia

**India:** Andaman Island, Peninsular India & Eastern India

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

## 6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Herb. Open moist areas, rice fields and other marshy areas, often near sea.

## 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):**  $2n=40^{8,9,11,19,31}$

**14. Gametic chromosome number(s):**  $n=20^{8,23}$

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

Image file

**16. Ploidy level:** Diploid<sup>31</sup>

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:** Mostly Metacentric<sup>11</sup>

**Chromosome size:** Small size<sup>11</sup>

**NOR chromosome(s):** 2 NOR<sup>11</sup>

**Degree of asymmetry:** Symmetrical

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):**