

# Species Datasheet

Datasheet No. A-098.001.016  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Cyperus distans* L.f.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

**2. Synonyms:** *Cyperus densiflorus* Hemsl., *C. distans* f. *capillarioides* Kük., *C. distans* f. *pachyanthos* Kük., *C. distans* f. *pallidior* Kük., *C. distans* subsp. *longibracteatus* (Cherm.) Lye, *C. distans* var. *crassispiculosus* Gross & Kük., *C. distans* var. *densiflorus* Kük., *C. distans* var. *niger* C.B. Clarke, *C. distans* var. *pseudomutans* Kük., *C. distans* var. *rubrotinctus* (Cherm.) Lye, *C. elatus* Rottb., *C. graminicola* Steud., *C. keniensis* Kük., *C. kurrii* Steud., *C. laxus* Vahl, *C. longibracteatus* (Cherm.) Kük., *C. longibracteatus* var. *niger* (C.B. Clarke) Lye, *C. longibracteatus* var. *rubrotinctus* (Cherm.) Kük., *C. longibracteatus* var. *subdistans* Kük., *C. mutans* Sieber ex C. Presl, *C. pilostachys* Steud., *C. purpureovaginatus* Boeckeler, *C. rubrotinctus* (Cherm.) Kük., *C. schraderianus* Mart. ex Steud., *C. squamulatus* Steud., *Mariscus bojeri* C.B. Clarke, *M. keniensis* (Kük.) S.S. Hooper, *M. longibracteatus* Cherm., *M. longibracteatus* var. *keniensis* (Kük.) Maquet, *M. rubrotinctus* Cherm.

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Subfamily: Corypheae
- Genus: *Cyperus* L.
- Species: *C. distans* L.f.

### Bentham and Hooker (1862)

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

## 4. Distribution:

**Global:** Bhutan, Cambodia, India, Indonesia, Japan (Ryukyu Islands), Kashmir, Laos, Myanmar, Nepal, Papua New Guinea, Philippines, Sri Lanka, Thailand, Vietnam, tropical Africa and Australia, Central, North, and South America, Indian Ocean islands, Madagascar

**India:** Andaman, Andhra Pradesh, Assam, Jammu Kashmir, Madhya Pradesh, Maharashtra, Karnataka, Kerala, Tamil Nadu, Meghalaya, Manipur, Punjab, Sikkim, Uttar Pradesh and West Bengal.

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

## 6. Threat Status:

IUCN: Least Concern

BSI

**7. Habit and Habitat:** Herb. Found growing in wet places, edge of pools, ditches and streams, in rice fields and in wet grasslands.

## 8. Life Form:

## 9. Economic Importance:

**10. Probable Progenitor of:**

**11.DNA**

**C-valueMethodology:**

**12.Basic chromosome number(s): $x=29^{10}$**

**13. Zygotic chromosome number(s): $2n=48^{9,11,19}58^{10}$**

**14. Gametic chromosome number(s): $n=27^429^{5,6}$**

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

Image file

**16.Ploidy level:Diploid<sup>10</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:**Mostly metacentric and submetacentric<sup>10</sup>

**Chromosome size:**Medium size<sup>10</sup>

**NOR chromosome(s):**

**Degree of asymmetry:**Symmetrical<sup>10</sup>

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**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):**