

# Species Datasheet

Datasheet No. A-098.001.052  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Cyperus pulcherrimus* Willd. ex Kunth

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Cyperus eumorphus* Steud., *C. pulcherrimus* var. *rectiglumis* Suringar, *C. silletensis* Thwaites

## 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. pulcherrimus* Willd. ex Kunth

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Glumaceae  
Ordo: Cyperaceae Juss.  
Genus: *Cyperus* L.  
Species: *C. pulcherrimus* Willd. ex Kunth

## 4. Distribution:

**Global:** China, Bangladesh, Borneo, India, Jawa, Malaya, Malaysia, , Papuasias New Guinea Pakistan, Philippines, Sri Lanka, Sulawesi, Sumatera, Thailand, Vietnam

**India:** North East India, Nicobar Island

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

## 6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb. Found in tropical Moist Forest

8. Life Form: Rhizomatous geophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s):  $x=13^{28}$

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):  $n=13^{4,8,27,28}$

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; Translocation etc):**