

Species Datasheet

Datasheet No. A-098.001.012
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus cuspidatus* Kunth

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

3. Synonym: *Cyperus angustifolius* Nees, *C. capitatus* Retz., *C. contractus* Steud., *C. cuspidatus* f. *angustifolius* Kük., *C. cuspidatus* f. *exiguus* (Nees) Kük., *C. cuspidatus* var. *burchellii* C. B. Clarke, *C. exiguus* Nees, *C. gratus* C. B. Clarke, *C. hamatus* Schrad. ex Nees, *C. hamulatus* Kunth, *C. recurvatus* Willd. ex Kunth, *C. recurvus* Vahl, *C. salzmännii* Steud., *C. setifolius* D. Don, *C. solutus* Steud., *C. uncinatus* Poir., *C. uncinatus* var. *gratus* (C.B. Clarke) Kük., *C. waterlotii* Cherm., *Dichostylis cuspidate* (Kunth) Palla

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. cuspidatus* Kunth

Bentham and Hooker (1862)

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

4. Distribution:

Global: Australia, Bangladesh, Bhutan, Bolivia, Brazil, Canary Islands, Caribbean, China, Colombia, El Salvador, Guatemala, Honduras, India, Indonesia, Laos, Madagascar, Malaysia, Mexico, Nepal, Pakistan, Peru, Philippines, Sri Lanka, Thailand, United States, Venezuela, Vietnam

India: Throughout India.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb. Open moist sandy soils, in cultivated fields, damp sandy places in tropical dry forest

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology:

12.Basic chromosome number(s): $x=8^6$

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): $n=56^{5,6}$

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, aneusomaty, polysomaty):

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):