

Species Datasheet

Datasheet No. A-098.001.060
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus tenuispica* Steud.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Cyperus delicatulus* Steud., *C. fieldingii* Steud., *C. guaricensis* Schnee, *C. leptostachys* Nees, *C. pseudohaspan* Makino

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. tenuispica* Steud.

Bentham and Hooker (1862)

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

4. Distribution:

Global: Widely distributed in Sri Lanka, Nepal, China, Malaysia, South Japan, tropical Africa and tropical Australia and India

India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Goa, Himachal Pradesh, Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Nagaland, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN: Least Concern

BSI

7. Habit and Habitat: Herb. Found in rice fields, marshy savanna and other damp places.

8. Life Form: Therophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s): $x=8^{10,28}$

13. Zygotic chromosome number(s): $2n=16^{10,13}18^{22}$

14. Gametic chromosome number(s): $n=8^{4,5,6,28}10^{11}$

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

Image file

16. Ploidy level: Diploid¹⁰

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 and Submetacentric¹⁰

Chromosome size: Small Size¹⁰

NOR chromosome(s): 2 NOR¹⁰

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):