

Species Datasheet

Datasheet No. A-098.001.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus arenarius* Retz.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Cyperus persicus* Boiss. & Hohen., *Scirpus glomeratus* B. Heyne ex Wall.

3. Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

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

Bentham and Hooker (1862)

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

4. Distribution:

Global: India, Pakistan, Sri Lanka, Southern Iran, Vietnam and

India: Karnataka, Peninsular India, North - West India

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb. Sandy, Coastal areas and inland, saline, sandy areas.

8. Life Form: Halophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=c48^{7,8}$

14. Gametic chromosome number(s): $n=ca24^{7,8}$

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

Image file

16. Ploidy level:

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:

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):