

Species Datasheet

Datasheet No. A-098.001.010
(family.genus.species)

DBT- Networ

1.Taxon:

Species:*Cyperusconglomeratus*Rottb.
Subspecies:
Variety:
Cultivar:
Hybrid:
Image file

2. **Synonyms:***Cyperus acutiflorus* Steud., *C.arcuatus* Boeckeler, *complanatus* Forssk., *C. conglomeratus* subsp. *conglomeratus*, *C. conglomeratus* var. *ensifolius* (Nees&Ehrenb. ex Boeckeler) Kük., *C.conglomeratus* f. *major* (Boeckeler) Kük., *C. conglomeratus* var. *major* Boeckeler, *C. ensifolius* Nees&Ehrenb. exBoeckeler, *C.falcatus* Ehrenb. exBoeckeler, *C. falcatus* var. *hamiensis* Schweinf., *C. involutus* R.Br., *C. pappii* Gand., *C.pungens* Boeckeler ex Aitch. &Hemsl.,*C. pungens* Boeckeler ex Aitch. &Hemsl.,*C. senegalensis* C.B.Clarke, *C.squarrosus* F.Muell., *C. squarrosus* var. *stenocarpus* F.Muell.,

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: CyperaceaeJuss.
- Genus: *Cyperus* L.
- Species: *C. conglomeratus*Rottb.

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: CyperaceaeJuss.
Genus: *Cyperus* L.
Species: *C. conglomeratus*Rottb.

4.Distribution:

Global: West Tropical Africa to North West India and West Indian Ocean

India: West and North West India

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

6.ThreatStatus:

IUCN

BSI

7.**Habit and Habitat:**Herb. Grows in Sandy places.

8.**Life Form:**Rhizomatous geophytes

9.**Economic Importance:**Use as an antibiotic.

10. **Probable Progenitor of:**

11.DNA

C-valueMethodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=ca72^{47,48}$

14. Gametic chromosome number(s): $n=37^{30}$

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):