

Species Datasheet

Datasheet No. A-098.001.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus articulatus* L.
Subspecies:
Variety:
Cultivar:
Hybrid:
Image file

2. Synonyms: *Chlorocyperus articulatus* (L.) Rikli, *C. cordobensis* Palla, *Cyperus articulatus* f. *longispiculosus* Kük., *C. articulatus* var. *conglomeratus* Britton, *Cyperus articulatus* var. *erythrostachys* Graebn., *Cyperus articulatus* var. *fistulosus* Kük., *Cyperus articulatus* var. *multiflorus* Kük., *C. articulatus* var. *nodosus* (Humb. & Bonpl. ex Willd.) Kük., *C. autumnalis* Pursh, *C. borbonicus* Steud., *C. cordobensis* (Palla) Hicken, *C. corymbosus* var. *subnodosus* (Nees & Meyen) Kük. ex Osten, *C. fistulosus* Ehrenb. ex Boeckeler, *C. gymnos* Schult., *C. interceptus* Steud., *C. niloticus* Forssk., *Cnodus* Humb. & Bonpl. ex Willd., *C. nodosus* var. *aphyllus* Boeckeler, *C. nodosus* var. *subnodosus* (Nees & Meyen) Boeckeler, *C. subarticulatus* Nees & Meyen, *C. subnodosus* Nees & Meyen, *Papyrus pangorei* Nees

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. articulatus* L.

Bentham and Hooker (1862)

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

4. Distribution:

Global: Argentina, Belize, Bolivia, Brazil, Caribbean, China, Colombia, Ecuador, El Salvador, Guatemala, Honduras, India, Madagascar, Mexico, United States, Venezuela

India: Karnataka, Peninsular India and Eastern India

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb. Common in shallow standing water or wet banks of canals, ponds, lakes.

8. Life Form: Therophytes

9. Economic Importance: Dry streams can be used for roofing and mat making

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=56^{12}108^{10,13}112^{11}$

14. Gametic chromosome number(s): $n=53^{30}54^{5,6}56^{9,10,11,12,30}57^{30}64^{9,11,19}$

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: 56II^{11,31}

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 setc):