

Species Datasheet

Datasheet No. A-098.001.025
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus imbricatus* Retz.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Cyperus anabaptistus* Steud., *C. biceps* Vahl, *C. campestris* Schrad. ex Nees, *C. confertiflorus* Schult., *C. densispicatus* Hayata, *C. densiflorus* Link, *C. densispicatus* Cherm., *C. digitatus* Nees, *C. flexifolius* Boeckeler, *C. imbricatus* var. *capitatus* (Boeckeler) Kük., *C. imbricatus* var. *densispicatus* (Hayata) Ohwi, *C. imbricatus* var. *elongatus* (Boeckeler) Kük., *C. imbricatus* var. *minor* (Boeckeler) Kük., *C. imbricatus* var. *multiflorus* Kük., *C. imbricatus* var. *viridispicatus* (Boeckeler) Kük., *C. involucratus* Poir., *C. macrosciadion* Steud., *C. mediorubescens* Hayata, *C. obscurus* Nees, *C. radiatus* Vahl, *C. radiatus* var. *capitatus* Boeckeler, *C. radiatus* var. *elongatus* Boeckeler, *C. radiatus* var. *minor* Boeckeler, *C. roylei* Arn., *C. semidives* Steud., *C. spicatus* J.Presl & C.Presl, *C. verticillatus* Roxb., *C. viridispicatus* Boeckeler, *Dichostylis radiata* (Vahl) Palla, *Mariscus leptochloides* Steud.

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. imbricatus* Retz.

Bentham and Hooker (1862)

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

4. Distribution:

Global: Argentina, Bangladesh, Belize, Benin, Bolivia, Brazil, Cameroon, Chile, China, Colombia, Costa Rica, Côte d'Ivoire, Dominica, Dominican Republic, Ecuador, El Salvador, Ethiopia, Gabon, Guatemala, Honduras, India, Indonesia, Liberia, Madagascar, Mexico, Nepal, Nicaragua, Niger, Nigeria, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Senegal, Taiwan, Province of China, Tanzania, Thailand, Togo, Trinidad and Tobago, United States, Uruguay, Venezuela, Zambia

India: Assam, Kerala, Madhya Pradesh, Meghalaya, Rajasthan, Tamil Nadu, West Bengal

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. Habit and Habitat: Herb. Grows in seasonally flooded areas, margins of ponds, ditches, swamps, river banks, mostly on sandy soil and muddy places

8. Life Form:

9. Economic Importance: Used as fodder.

10. Probable Progenitor of:

11.DNA

C-valueMethodology:

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=96^{31}$

14. Gametic chromosome number(s): $n=55^{8, 23}$

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.A 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):