

Species Datasheet

Datasheet No. A-098.001.021
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus fuscus* L.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Cyperus calidus* A.Kern., *C. compressus* Krock., *C. forsskalii* A.Dietr., *C. fuscus* f. *calidus* (A.Kern.) Asch. & Graebn, *C. fuscus* var. *condensatus* Kük., *C. fuscus* f. *fuscus*, *C. fuscus* var. *nigricans* Neilr., *C. fuscus* var. *pallescens* Husn., *C. fuscus* var. *subjuncellus* Kük., *C. fuscus* f. *virescens* (Hoffm.) Vahl, *C. fuscus* var. *virescens* (Hoffm.) Dumort., *C. fuscus* subsp. *virescens* (Hoffm.) K.Richt., *C. haworthii* Gray, *C. protractus* Delile, *C. sabaudus* Billet ex Gave, *C. virescens* Hoffm., *C. viridis* Krock., *Eucyperus fuscus* (L.) Rikli

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. fuscus* L.

Bentham and Hooker (1862)

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

4. Distribution:

Global: Macaronesia, Europe, Mediterranean to China

India: North West Himalaya

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. Habit and Habitat: Herb. Grows in moist, open, muddy or stony ground with a humus-rich substrate around the margins of small ponds and ditches

8. Life Form:

9. Economic Importance: Occasionally grown as an ornamental.

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=36^{40,42}72^{37,38,41}$

14. Gametic chromosome number(s): $n=18^{30,32,39}24^{43}6^{21}$

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; Translocations etc):