

Species Datasheet

Datasheet No. A-098.001.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus amabilis* Vahl

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *C. amabilis* var. *macra* C.B. Clarke, *C. amabilis* var. *macrostachyus* (Boeckeler) Kük., *C. amabilis* var. *oligostachyus* (Kunth) Kük., *C. amabilis* var. *subacaulis* Kük., *C. anisostachyos* Willd. ex Kunth, *C. aurantiacus* Kunth, *C. aureus* Kunth, *C. aureus* var. *aurantiacus* (Kunth) Boeckeler, *C. aureus* var. *macrostachyus* Boeckeler, *C. aureus* var. *oligostachyus* (Kunth) Boeckeler, *C. brachyphyllus* Willd. ex Link, *C. glareosus* Liebm., *C. guadalajaramus* M.E. Jones, *C. lepidus* Hochst. ex Steud., *C. microstachyus* Vahl, *C. muelleri* Boeckeler, *C. oligostachyus* Kunth, *C. quitensis* Spreng.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Subfamily: Coryphea
- Genus: *Cyperus* L.
- Species: *C. amabilis* Vahl

Bentham and Hooker (1862)

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

4. Distribution:

Global: Tropical America, tropical Africa, Madagascar and some parts of Southern Asia.

India: Assam, Bihar, Kerala, Madhya Pradesh, Orissa

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

6. Threat Status:

IUCN: Least Concern

BSI

7. Habit and Habitat: Herb. Found in seasonally flooded places, in swamps, around the edges of lakes, usually on sandy soil

8. Life Form: Therophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=32^4 38^{5,6}$

14. Gametic chromosome number(s): $n=16^4 19^{5,6}$

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):