

Species Datasheet

Datasheet No. A-098.001.054
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus rubicundus* Vahl

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Cyperus calcicola* Domin, *C. coromandelinus* Spreng., *C. delessertianus* Webb & Berthel., *C. petraeus* Hochst. ex Steud., *C. serra* A. Rich., *C. teneriffae* Poir., *C. teneriffae* f. *petraeus* (Hochst. ex Steud.) Kük., *C. teneriffae* var. *longimucronatus* Kük., *C. teneriffae* var. *succulentus* Dinter ex Kük., *C. tersus* Link., *C. wightii* 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. rubicundus* Vahl

Bentham and Hooker (1862)

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

4. Distribution:

Global: Malaysia, South Arabia, Africa, Madagascar, North Queensland and India

India: Peninsular India.

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

6. Threat Status:

IUCN: Least concern

BSI

7. Habit and Habitat: Herb. Grows in damp or moist places

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): $2n=42^{10}50^{10},2652^{10}$

14. Gametic chromosome number(s):

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): Aneuploidy¹⁰

21. Somatic chromosomes:

Karyotype: Mostly Metacentric and Sub-metacentric¹⁰

Chromosome size: Small Size¹⁰

NOR chromosome(s): 4 NOR¹⁰

Degree of asymmetry: Symmetrical¹⁰

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):