

Species Datasheet

Datasheet No. A-098.001.043
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus pangorei* Rottb.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Cyperus dehiscens* Kunth, *C. pangorei* var. *ambiguus* C.B. Clarke, *C. tegetum* Roxb., *Papyrus corymbosus* Nees, *P. dehiscens* Nees

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Genus: *Cyperus* L.
- Species: *C. pangorei* Rottb.

Bentham and Hooker (1862)

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

4. Distribution:

Global: Pakistan to South China and Sri Lanka

India: Andhra Pradesh, Assam, Bihar, Chhattisgarh, Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Tamil Nadu, Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. **Habit and Habitat:** Herb. Grows in wet places, marshes, river banks, stream beds, often found standing in water and in rice fields

8. **Life Form:** Rhizomatous geophyte

9. **Economic Importance:** Used for making fine mats

10. **Probable Progenitor of:**

11. **DNA**

C-value Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=208$ ^{10,26}

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):

21. Somatic chromosomes:

Karyotype: Mostly Metacentric and Sub-metacentric¹⁰

Chromosome size: Medium size¹⁰

NOR chromosome(s):

Degree of asymmetry: Symmetrical

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):