

Species Datasheet

Datasheet No. A-044.001.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Burmannia disticha* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Burmannia bancana* Miq., *B. distachya* R.Br. [Illegitimate], *B. disticha* var. *sumatrana* (Miq.) Hook.f., *B. disticha* var. *summatrana* (Miq.) Hook. f., *B. graminifolia* Warb., *B. sumatrana* Miq.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Dioscoreales Mart.
- Family: Burmanniaceae Blume
- Genus: *Burmannia* L.
- Species: *B. disticha* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Burmanniaceae Blume
Genus: *Burmannia* L.
Species: *B. disticha* L.

4. Distribution:

Global: Australia, Burma, China, Indo-China, Malayan Peninsula, New Guinea, Phillipine.

India: Karnataka, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, west Bengal.

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. Habit and Habitat: Herb. Open places, in grasslands, marshes and paddyfields.

8. Life Form: Chamaephytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=136$ ⁷

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

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 (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):