

Species Datasheet

Datasheet No. A-030.006.001
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species *Butomopsis latifolia* (D. Don)Kunth

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Butomopsis cordofana* (Hochst.) Kunth ex Walp., *B. lanceolata* (Roxb.) Kunth, *Butomus lanceolatus* Roxb., *B. latifolius* D. Don, *Elattosis apetala* Gagnep., *Tenagocharis alismoides* Hochst., *T. cordofana* Hochst., *T. lanceolata* (Roxb.) Baill., *T. latifolia* (D. Don) Buchenau

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Alismataceae Vent.
- Genus: *Butomopsis* Kunth
- Species: *B. latifolia* (D.Don) Kunth

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Alismaceae
Genus: *Butomopsis* Kunth
Species: *B. latifolia* (D.Don) Kunth

4. Distribution:

Global: Tropical Africa to North Botswana, Tropical Asia to North Australia

India: Throughout the plains of India

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. Habit and Habitat: Annual herb. Occurs in muddy soils, streams, rivers, lakes, marshes, and paddy fields.

8. Life Form: Hydrophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=14$ ^{1,2}

14. Gametic chromosome number(s): $n=7$ ¹

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, aneusomaty, polysomaty):

21. Somatic chromosomes:

Karyotype Majority metacentric chromosomes ¹

Chromosome size Small to medium ¹

NOR chromosome(s) 2 NOR ¹

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 7II¹

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):