

Species Datasheet

Datasheet No. A-032.001.004
(family.genus.species)

DBT- Networ

1. Taxon:

Species: *Blyxa octandra* (Roxb.) Planch. ex Thwaites

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Blyxa roxburghii* Rich., *B. saivala* Steud., *Vallisneria octandra* Roxb.

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Hydrocharitaceae Juss.
- Genus: *Blyxa* Noronha ex Thouars
- Species: *B. octandra* (Roxb.) Planch. ex Thwaites

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Blyxa* Noronha ex Thouars
Species: *B. octandra* (Roxb.) Planch.
ex Thwaites

4. Distribution:

Global: Australia, Bangladesh, China, India, Myanmar, New Guinea, Sri Lanka, Viet Nam.

India: Andaman and Nicobar Island, North East India, Peninsular India

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

6. Threat Status:

IUCN: Least Concern

BSI

7. Habit and Habitat: Aquatic herb. It grows totally submerged with emergent flowers. It can be found in rice fields and channels, also in marshy grounds.

8. Life Form: Hydrophyte

9. Economic Importance: Used for an aquariums.

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

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, aneusomaty, polysomaty):

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; Translocations etc):