

Genus Data Sheet

Datasheet No. A-032.001
(family,genus,species)

DBT- Network Programme

1. Genus:*Blyxa* Noronha ex Thouars

2. 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

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Blyxa* Noronha ex Thouars

3. Species:

Global: 12

India: 4

4. Taxonomic riddles:

5. Distribution:

Global: East Tropical Africa, Angola, Mozambique, Zambia, Guinea, Guinea-Bissau, Leone, Burundi, Republic, Zaire, Western Indian Ocean Madagascar, China, Southeast Hainan, Manchuria, Japan, Korea, Nansei-shoto, Taiwan, India, Bangladesh, East Himalaya, Nepal, Sri Lanka, West Himalaya, Andaman Island, Myanmar, Thailand, Vietnam, Malesia, Borneo, Jawa, Malaya, Philippines, Sulawesi, Sumatera, Papuasias, New Guinea, Australia Caroline Island

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

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

7. Economic Importance: The genus *Blyxa* commonly used in aquariums and in outdoor water gardens.

8. DNA content range:

Methodology

2C: 4C:

9. Basic chromosome number(s):

10. Zygotic chromosome number(s):

11. Gametic chromosome number(s):

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes Neocentric chromosomes):

13. Ploidy level:

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: