

Genus Data Sheet

Datasheet No. A-032.004
(family,genus,species)

DBT- Network Programme

1. Genus:*Hydrilla* Rich.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Hydrocharitaceae Juss.
- Genus: *Hydrilla*Rich.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Hydrilla*Rich.

3. Species:

Global:1

India:1

4. Taxonomic riddles:

5. Distribution:

Global: East Europe to Asia, Uganda to North Zambia

India: Throughout India

6. Habit and Habitat:Aquatic Herb.Common in lakes, swamps, ponds, rivers and irrigation ditches in standing or slowly flowing water

7.Economic Importance:Dried powder of *H. verticillata* is used as detergent in the treatment of abscesses, burns and wounds. Also used in aquarium

8. DNA content range:

Methodology

2C: 4C:

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=16^{1,2,3,5,6,7,8,9,10,12,13,15,17}24^{1,3,4,5,11,12,16,18}32^{9,10,14}$

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: