

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-032.010.008
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Najasmalesiana* De Wilde

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Najasgraminea* var. *angustifolia* Rendle, *N. graminea* var. *minor* Rendle

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Hydrocharitaceae
- Subfamily: Hydrilloideae
- Genus: *Najas* L.
- Species: *N. malesiana* De Wilde

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Apocarpae
- Ordo: Najadaceae Juss.
- Genus: *Najas* L.
- Species: *N. malesiana* De Wilde

4. Distribution:

Global: Bangladesh, Borneo, India, Jawa, Malaya, Maluku, Myanmar, Philippines, Sulawesi, Sumatera, Thailand, Vietnam

India: Tamil Nadu, West Bengal, Andhra Pradesh, Madhya Pradesh, Kerala, Karnataka, Punjab

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

6. Threat Status:

IUCN: Least concern

BSI

7. **Habit and Habitat:** Aquatic herb

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):

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; Translocation etc):