

Species Datasheet

Datasheet No. A-377.025.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Hygrophila griffithii* (T.Anderson) Sreem.

Subspecies

Variety

Hybrid

Image file

2. **Synonyms:***Adenosma griffithii* T.Anderson, *Cardanthera griffithii* Benth.ex C.B.Clarke

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Hygrophila* R. Br.
- Species: *H. griffithii* (T.Anderson) Sreem.

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo:Acanthaceae Juss.
- Genus: *Hygrophila* R. Br.
- Species: *H. griffithii* (T.Anderson) Sreem.

4.Distribution:

Global:India,Indonesia and Myanmar.

India:Assam.

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

6.Threat Status:

IUCN:

BSI:

7.**Habit and Habitat:**Under shrub. Found near shallow waters.

8.**Life Form:**Hydrophytes

9.**Economic Importance:**Potential aquatic ornamental.

10. **Probable Progenitor of:**

11.DNA

C-valueMethodology

12.**Basic chromosome number(s):**

13. **Zygotic chromosome number(s):**

14. **Gametic chromosome number(s):**

15.**Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ Neocentric Chromosomes etc):**

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, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry:

Image

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes: GISH.

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

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29. Any other information