

Species Datasheet

Datasheet No. A-377.025.006
(family.genus.species)

DBT- Network Program

1.Taxon:

Species:

Subspecies

Variety: *Hygrophila heinei* var. *birbhumensis* (Guha) H.B.Naithani & S.Biswas

Hybrid

Image file

2. **Synonyms:** *Cardanthera uliginosa* var. *birbhumensis* Guha

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. heinei* Sreem.
- Variety: *H. heinei* var. *birbhumensis* (B. P. Guha) H.B. Naithani & S. Biswas

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. heinei* Sreem.
- Variety: *H. heinei* var.*birbhumensis* (B. P. Guha) H.B. Naithani & S. Biswas

4.Distribution:

Global:Bhutan, India and Nepal.

India:Andaman and Nicobar Islands, Andhra Pradesh, Madhya Pradesh, Orissa, Sikkim, Tamil Nadu and Maharashtra.

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

6.Threat Status:

IUCN:

BSI:

7.**Habit and Habitat:**Herb. Found in moist deciduous forests.

8.**Life Form:**Hydrophytes

9.**Economic Importance:**

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, aneusomaty, polysomaty):

21.Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of aneuploidy:

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: