

Species Datasheet

Datasheet No. A-377.025.013
(family.genus.species)

DBT- Network Program

1.Taxon:

Species: *Hygrophilapolysperma*T. Anderson
Subspecies
Variety
Hybrid
Image file

2. Synonyms:*Justicia polysperma*Roxb.

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. polysperma*T. Anderson

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. polysperma* T. Anderson

4.Distribution:

Global:Afghanistan,Bangladesh,Bhutan,Burma, China, India,Myanmar,Pakistan,Malaysia, Sri LankaandVietnam.

India:Gujarat, Karnataka and Maharashtra.

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

6.Threat Status:

IUCN:Least Concern

BSI:

7.Habit and Habitat:Herb. Found in slow-moving waters and in lakes.

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):2n=32^{3, 5, 6, 7.}

14. Gametic chromosome number(s):n=16^{3, 5, 6, 7.}

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. References:

30.Any other information: