Species Datasheet

Datasheet No. A-030.005.001 **DBT- Ne**
(family.genus.species)

1.Taxon:

Species: *Wiesneria triandra* (Dalzell) Micheli
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Sagittaria triandra* Dalzell.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Alismataceae Vent.
- Genus: *Wiesneria* Micheli
- Species: *W. triandra* (Dalzell) Micheli

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Alismaceae
Genus: *Wiesneria* Micheli
Species: *W. triandra* (Dalzell) Micheli

4. Distribution:

Global: India

India: Goa, Karnataka, Kerala, Maharashtra

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

6. Threat Status:

IUCN: Least concern
BSI

7. Habit and Habitat: Aquatic Herb; Grows in marshes on barren laterite flats.

8. Life Form: Hemicryptophyte

9. Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s): x=

13. Zygotic chromosome number(s): 2n= 20[1]

14. Gametic chromosome number(s): n= 10[1]

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: Majority telocentric chromosomes [1]

Chromosome size: medium to large[1]

NOR chromosome(s)

Degree of asymmetry: Asymmetric[1]

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: 10II [1]

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;Translocations etc):