

Species Datasheet

Datasheet No. A-030.004.004
(family.genus.species)

DBT- Ne

1. Taxon:

Species: *Sagittaria longiloba* Engelm. ex J.G.Sm.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:** *Sagittaria greggii* J.G. Smith, *S. sagittifolia* var. *mexicana* M. Martens & Galeotti

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Alismataceae Vent.
- Genus: *Sagittaria* L.
- Species: *S. longiloba* Engelm. ex J.G. Smith

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Alismaceae
Genus: *Sagittaria* L.
Species: *S. longiloba* Engelm. ex J.G. Smith

4. Distribution:

Global: Arizona, California, India, Kansas, Mexico, Nebraska, Oklahoma, Texas and Venezuela

India: West Himalaya

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

6. Threat Status:

IUCN:
BSI

7. **Habit and Habitat:** Aquatic herb; grows in stagnant shallow water bodies and margin of pools, Mediterranean forest, Woodlands and Scrub

8. **Life Form:** Hydrophytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C-value Methodology

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

13. **Zygotic chromosome number(s):** 2n=

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

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;Translocations etc):