

Species Datasheet

Datasheet No. A-030.004.002
(family.genus.species)

DBT- Ne

1. Taxon:

Species:

Subspecies: *Sagittaria guayanensis* subsp. *lappula* (D. Don) Bogin

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Alisma cristatum* Wall., *A. hamiltonianum* Wall., *A. lappula* Buch.-Ham. ex Kunth, *Lophiocarpus cordifolius* Miq., *L. lappula* (D. Don) Miq., *Lophotocarpus formosanus* Hayata, *L. guayanensis* var. *lappula* (D. Don) Buchenau, *L. guayanensis* var. *madagascariensis* (Buchenau) Buchenau, *S. blumei* Kunth, *S. cordifolia* Roxb., *S. lappula* D. Don, *S. obtusissima* Hassk., *S. pusilla* Blume, *S. triflora* Noronha

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. guayanensis* Kunth
- Subspecies: *S. guayanensis* subsp. *lappula* (D. Don) Bogin

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Alismaceae
Genus: *Sagittaria* L.
Species: *S. guayanensis* Kunth
Subspecies: *S. guayanensis* subsp. *lappula* (D. Don) Bogin

4. Distribution:

Global: Afghanistan, Burkina, Cambodia, Cameroon, Chad, China, Gambia, Ghana, Guinea-Bissau, Hainan, India, Ivory Coast, Jawa, Madagascar, Malaya, Mali, Nepal, Niger, Nigeria, Pakistan, Senegal, Sudan, Sulawesi, Sumatera, Taiwan, Thailand, Vietnam, West Himalaya

India: Assam, East Himalaya

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

6. Threat Status:

IUCN: Not evaluated

BSI:

7. Habit and Habitat: Aquatic herb; Grows in muddy pools, Tropical Moist Forest

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=22^{6,72}

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):