

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-035.001.001
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species: *Triglochin maritima* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Hexaglochin maritima* (L.) Nieuwl., *H. sexlocularis* Nieuwl., *Juncago maritima* Bubani, *Triglochin ani* K.Koch, *T. asiatica* (Kitag.) Á.Löve & D.Löve, *T. concinna* Burt Davy, *T. concinna* var. *debilis* (M.E.Jones) J.T.Howell, *T. concinna* var. *deserticola* (Phil.) J.T.Howell, *T. debile* Á.Löve & D.Löve, *T. debilis* (M.E.Jones) Á.Löve & D.Löve, *T. elata* Nutt., *T. maritima* f. *maritima*, *T. maritima* f. *multifissa* Lepage, *T. maritima* subsp. *asiatica* Kitag., *T. maritima* var. *altoandina* Cabrera, *T. maritima* var. *asiatica* (Kitag.) Ohwi, *T. maritima* var. *debilis* M.E.Jones, *T. maritima* var. *deserticola* Phil., *T. maritima* var. *elata* (Nutt.) A.Gray, *T. monanthos* Speg., *T. narbonensis* Sennen, *T. roegneri* K.Koch, *T. salina* Wallr., *T. sexlocularis* Stokes, *T. transcaucasica* Bordz.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Juncaginaceae Rich.
- Genus: *Triglochin* L.
- Species: *T. maritima* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Alismaceae
Genus: *Triglochin* L.
Species: *T. maritima* L.

4. Distribution:

Global: Afghanistan, Alaska, Alberta, Algeria, Altay, Argentina, Arizona, Austria, Baltic States, Belarus, Belgium, Bolivia, British Columbia, Bulgaria, Buryatiya, California, Central European Rus, Chile Central, China, Chita, Colorado, Connecticut, Czechoslovakia, Denmark, East European Russia, Finland, France, Føroyar, Germany, Great Britain, Hungary, Iceland, Idaho, Illinois, India, Inner Mongolia, Iowa, Iran, Ireland, Irkutsk, Italy, Japan, Kansas, Kazakhstan, Khabarovsk, Kirgizstan, Korea, Krasnoyarsk, Krym, Kuril Island, Labrador, Maine, Manchuria, Manitoba, Massachusetts, Mexico, Michigan, Minnesota, Mongolia, Montana, Nebraska, Nepal, Netherlands, Nevada, New Brunswick, New Hampshire,

New Jersey, New Mexico, New York, Newfoundland, North Caucasus, North Dakota, Northwest Territorie, Norway, Nova Scotia, Nunavut, Ohio, Ontario, Oregon, Pakistan, Pennsylvania, Poland, Portugal, Primorye, Qinghai, Québec,, Romania, Sakhalin, Saskatchewan, South Dakota, South European Russi, Spain, Sweden, Tadjikistan, Texas, Tibet, Transcaucasus, Tunisia, Turkey, Ukraine, Utah, Vermont, Washington, West Siberia, Wisconsin, Wyoming, Xinjiang, Yakutskiya, Yugoslavia, Yukon

India: Himalayas

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Aquatic herb; found in brackish marshes, freshwater marshes, wet sandy beaches, fens, damp grassland and bogs

8. Life Form: Hydrophyte

9. Economic Importance: The white base of the leaf stem can be eaten raw or cooked. The roasted seed is a coffee substitute. The ashes of the plant are rich in potassium and can be used in making soap

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=24^{9,10}$; $2n=36^8$; $2n=48^{1,2,3,4,5,6,7,10}$; $2n=96^1$; $2n=120^5$; $2n=144^{11}$

14. Gametic chromosome number(s): $n=24^{5,12}$; $n=48^{13}$; $n=60^5$

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: 24II^5 ; 60II^5

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):