

Species Datasheet

Datasheet No. A-030.002.002
(family.genus.species)

DBT- Ne

1. Taxon:

Species: *Caldesia oligococca* (F. Muell.) Buchanan

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Alisma apetalum* Buch.-Ham. ex Micheli, *A. aphylla* Steud., *A. oligococcum* F.Muell., *Caldesia oligococca* var. *oligococca*

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Alismataceae Vent.
- Genus: *Alisma* L.
- Species: *C. oligococca* (F. Muell.) Buchanan

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Alismaceae
Genus: *Alisma* L.
Species: *C. oligococca* (F. Muell.)
Buchanan

4. Distribution:

Global: West Tropical Africa, Northern Australia and Southeast Asia

India: Assam, Maharashtra, Kerala

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

6. Threat Status:

IUCN: Least concern

BSI:

7. **Habit and Habitat:** Aquatic herb; Grows isolated or sometimes in small tufts in still water, pools, ponds, reed beds of rivers and at the edge of permanent swamps.

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):