

Species Datasheet

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Datasheet No. P-016.002.001
- (family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Salvinia adnata* Desv.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Salviniamolesta D.S. Mitch.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Salviniales Bartl. in Mart
- Family: Salviniaceae Martinov
- Subfamily:
- Genus: *Salvinia* Seg.
- Species: *Salvinia adnata* Desv.
- Subspecies:

4.Distribution:

Global: Africa, the Indian Sub-continent, south-eastern Asia, warmer parts of Australia and New Zealand, southern USA and several Pacific islands.

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:It is found in rivers, streams, lakes, dams, swamps, irrigation channels, drainage lines and other bodies of water and is also a pest of paddy rice crops around the world. Mainly a weed of tropical subtropical and warmer temperate regions.

8.Life Form:

9.Economic Importance:widely used as an ornamental plant and has been used as mulch for crops in dry areas near water bodies where it grows.

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=9^3$

13. Zygotic chromosome number(s): $2n=45^3$

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

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidylevel:Pentaploid (sterile hybrid) 3

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 Pentaploid: Meiosis irregular³

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; Translocation etc.):