

Species Datasheet

Datasheet No. P-051.023.006
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Lepisorus clathratus* (C.B. Clarke) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lepisorusnepalensis K. Iwats.

Pleopeltisclathrata (C.B. Clarke) Bedd.

Polypodiumclathratum C.B. Clarke

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Lepisorus* (J.Smith) Ching
- Species: *Lepisorus clathratus* (C.B.Clarke) Ching
- Subspecies:
- Variety:

4.Distribution:

Global: India, Siberia, Afghanistan, Pakistan, Nepal, Tibet, China, Taiwan, Japan, Vietnam, Myanmar

India: Jammu & Kashmir, Nagaland, Meghalaya, Sikkim, Darjeeling

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as a lithophyte. Rather common and widespread at high altitudes from 3300-3600m altitude, Sundardhunga, Pindari

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=35^{9, 16}$

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

14. Gametic chromosome number(s): $n=35^{9, 16}$

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

Image file

16.Ploidy level:Diploid (sexual)^{9, 16}

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 $35\text{II}^{9, 16}$

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.):