

Species Datasheet

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Datasheet No. P-045.010.006
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dryopteris barbigera* (T. Moore ex Hook.) Kuntze

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dryopteris barbigera subsp. *barbigera*

Dryopteris falconeri (Hook.) Kuntze

Lastreabarbiger (T. Moore ex Hook.) Bedd.

Lastrea falconeri (Hook.) Bedd.

Nephrodium falconeri Hook.

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Dryopteris* Adans.
- Species: *Dryopteris barbigera* (T. Moore ex Hook.) Kuntze
- Subspecies:
- Variety

4. Distribution:

Global: Afghanistan, Pakistan (Kurram, Swat, Hazara), Pakistani Kashmir (Gilgit), Tajikistan, Kyrgyzstan, Kazakhstan, Uzbekistan, China (Yunnan, Sichuan, Qinghai), Nepal, Bhutan, Myanmar, India

India: Jammu & Kashmir, Himachal Pradesh, Uttar Pradesh, Sikkim

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Alpine fern, Thickets, grasslands, slopes; 3600-4700 m

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=41^{19, 97}$

13. Zygotic chromosome number(s): $2n=82^{19, 97}$

14. Gametic chromosome number(s): $n=41^{8, 38, 43, 56, 123^{54, 55}}$

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

Image file

16. Ploid level: Diploid (sexual)^{8, 19, 38, 43, 56, 97,}

Hexaploid (sexual)^{54, 55}

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 meiosisDiploid: $41\text{II}^{8, 38, 43, 56}$,

Hexaploid : $123\text{II}^{54, 55}$

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;Translocationsetc.):