

Species Datasheet

Datasheet No. P-045.004.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dryopsis nidus* (Baker) Holttum & P.J. Edwards

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidium filix-mas var. *nidus* (Baker) Christ

Ctenitis nidus (C.B. Clarke) Ching

Dryopteris filix-mas subsp. *nidus* (Baker) C. Chr.

Lastreafilix-mas var. *nidus* (Baker) Bedd.

Nephrodium apiciflorum var. *nidus* (Baker) C.B. Clarke

Nephrodium filix-mas var. *nidus* Baker

Nephrodium nidus C.B. Clarke

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: *Dryopsis* Holttum & P.J. Edwards
- Species: *Dryopsis nidus* (Baker) Holttum & P.J. Edwards
- Subspecies:

4. Distribution:

Global:

India: Eastern Himalaya

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{3, 4}$

13. Zygotic chromosome number(s): $2n=c.82^{3, 4}$

14. Gametic chromosome number(s): $n=41^4$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{3, 4}$

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 $41\Pi^4$

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.):