

Species Datasheet

Datasheet No. P-040.001.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Blechnum brasiliense* Desv.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Blechnum corcovadense Raddi

Blechnum fluminense Vell.

Blechnum nigrosquamatum Gilbert

Blechnum nitidum C. Presl

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Blechnaceae Newman
- Subfamily:
- Genus: *Blechnum* L.
- Species: *Blechnum brasiliense* Desv.
- Subspecies:
- Variety:

4. Distribution:

Global: warm and humid subtropical forests of South America

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:warm and humid subtropical forests of South America

8.Life Form:

9.EconomicImportance:Cultivated as ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=33^{1, 23}$

13. Zygotic chromosome number(s): $2n=66^1$

14. Gametic chromosome number(s): $n=33^{23}$

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

Image file

16.Ploidylevel:Diploid (sexual)^{1, 23}

Image file

17.Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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 33II^{23}

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.):