

Species Datasheet

Datasheet No. P-031.003.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dennstaedtia bipinnata* (Cav.) Maxon

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dennstaedtia adiantoides (Humb. & Bonpl. ex Willd.) T. Moore

Dicksonia adiantoides Humb. & Bonpl. ex Willd.

Dicksonia bipinnata Cav.

Polypodium bacciferum Poir.

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dennstaedtiaceae Lotsy
- Subfamily:
- Genus: *Dennstaedtia* Bernh.
- Species: *Dennstaedtia bipinnata* (Cav.) Maxon
- Subspecies:

4. Distribution:

Global: Indigenous to the West Indies and Central America and South America, also found in Bolivia, Mexico, Florida, and Puerto Rico

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:moist to wet, acidic soils in forested areas

8.Life Form:

9.EconomicImportance:Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=47^{5, 6, 16}$

13. Zygotic chromosome number(s): $2n=188^{5, 6}$

14. Gametic chromosome number(s): $n=94^{5, 6, 16}$

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

Image file

16.Ploidylevel:Tetraploid (sexual) ^{5, 6, 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 94 II^{5, 6, 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.):