

Species Datasheet

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Datasheet No. P-005.001.001
- **(family.genus.species)**

DBT- Network Programme

1. Taxon:

Species: *Psilotum complanatum* Sw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Bernhardiacomplanata Willd.

Bernhardiaschiedeana Müll. Hal.

Psilotum complanatum var. *latissimum* Spring

Psilotum flaccidum Wall.

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Ophioglossidae Klinge
- Order: Psilotales Prantl
- Family: Psilotaceae J.W. Griseb & Henfr
- Subfamily:
- Genus: *Psilotum* Sw.
- Species: *Psilotum complanatum* Sw.
- Subspecies:

4. Distribution:

Global:

India:

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):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level:

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

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.):