

Species Datasheet

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Datasheet No. P-004.001.006
- (family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Equisetum palustre* L.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Equisetum palustre var. *americanum* Vict.

Equisetum palustre f. *palustre*

Equisetum palustre var. *szechuanense* C.N. Page

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Equisetidae Warm
- Order: Equisetales DC. ex Brecht. & J.Presl.
- Family: Equisetaceae Michx. ex DC.
- Subfamily:
- Genus: *Equisetum* L.
- Species: *Equisetum palustre* L.
- Subspecies:
- Variety:

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
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2C (28.50 pg) ¹	Flow cytometry ¹
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2C (25.00 pg) ⁶	Feulgen microdensitometry ⁶
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12. Basic chromosome number(s): $x=9^{15, 20}$

13. Zygotic chromosome number(s): $2n=c.216^{15}$

14. Gametic chromosome number(s): $n=c.108^{15}$, 108^4

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

Image file

16. Ploidy level: 24-ploid (sexual)^{4, 15, 20}

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 meiosis108II⁴

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.):