Species Datasheet

Datasheet No. P-004.001.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Equisetum arvense* L.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Equisetumarvense var. *arvense*
Equisetumarvense f. *arvense*
Equisetumarvense subsp. *boreale* Á. Löve
Equisetumboreale Bong.
Equisetumcalderi B. Boivin
*Equisetumsaxicola*Suksd.

3.Systematic Position:
Christenhusz 2011

- 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 arvense* L.
- Subspecies:
- Variety:

4.Distribution:

Global: Arctic and temperate regions of Europe, including Britain, N. America and Asia.

India: Kashmir

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Open fields, arable land, waste places, hedgerows and roadsides, usually on moist soils

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	**Methodology**
2C (29.29 pg)[2]	Flow cytometry[2]
2C (27.30 pg)[1]	Flow cytometry[1]
2C (28.40 pg) [6]	FeulgenMicrodensitometry[6]

12.Basic chromosome number(s):x=9[4, 9, 11, 12, 22]

13. Zygotic chromosome number(s):2n=c.216[15, 18],

216[11, 12, 22]

14. Gametic chromosome number(s):n=108[4, 9], c.108 [15]

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

Image file

16.Ploidy level:24-ploid (sexual)[4, 9, 11, 12, 15, 18, 22]

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 meiosis108II[4, 9]

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;Translocationsetc.):