

Final Species Datasheet

Datasheet No. G-006.001.008
(family.genus.species)

1.Taxon:

Species: *Ephedra tweedieana* Fisch. & C.A.Mey.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms:*Ephedra scandens* Miers

3. Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Gnetidae Pax
- Order: Ephedrales Dumort.
- Family: Ephedraceae Dumort.
- Genus: *Ephedra* L.
- Species: *E. tweedieana* Fisch. & C.A.Mey.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Gnetaceae Blume

Genus: *Ephedra* L.

Species: *E. tweedieana* Fisch. & C.A.Mey.

4.Distribution:

Global: Southern Brazil to central and northern Argentina and Uruguay

India:

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

6.Threat Status:

IUCN: Least concern

BSI:

7.Habit and Habitat:A climbing shrub, moist forests

8.Life Form:Phanerophytes

9.Economic Importance:Stem contains ephedrine, ornamental

10. Probable Progenitor of:

11.DNA

C-value $2C$ (17.75 pg)¹⁵

Methodology Feulgen microdensitometry¹⁵

12.Basic chromosome number(s): $x=7$ ^{1, 7, 15}

13. Zygotic chromosome number(s): $2n=14$ ^{1, 15}

14. Gametic chromosome number(s): $n=$

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

Image file

16.Ploidy level: Diploid^{1, 15}

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:^{1, 15}

Karyotype Median and subterminal chromosomes^{1, 15}

Chromosome size Large^{1, 15}

NOR chromosome(s)

Degree of asymmetry Moderately asymmetrical^{1, 15}

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):