

Species Datasheet

Datasheet No. P-030.015.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Coniogramme fraxinea* (D. Don) Fée ex Diels

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Diplaziumfraxineum D. Don

Gymnogrammafraxinea (D. Don) Bedd.

Neurogrammafraxinea (D. Don) Christ

Syngrammafraxinea (D. Don) Bedd.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Cryptogrammoideae S. Linds.
- Genus: *Coniogramme* Fee
- Species: *Coniogramme fraxinea* (D.Don) Fee ex Diels
- Subspecies:

4.Distribution:

Global: Taiwan, China (SE Xizang , Yunnan), India, Indonesia, Malaysia, Nepal, Pakistan, Philippines, Vietnam

India: Eastern Himalaya

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Evergreen forests; 800-2000 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=30^{10, 11}$

13. Zygotic chromosome number(s): $2n=120^{5, 8}$, c. 120^2

14. Gametic chromosome number(s): $n=30^{10, 11}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{10, 11}$,

Tetraploid (sexual) $^{2, 5, 8}$

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 30II 10, 11

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.):