

Species Datasheet

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Datasheet No. G-012.001.001
(family.genus.species)

1.Taxon:

Species: *Cephalotaxus fortunei* Hook.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Cephalotaxus fortunei* var. *concolor* Franch., *C. fortunei* var. *fortunei*, *C. fortunei* var. *pendula* Carriere, *C. kaempferi* auct., *Taxus fortunei* (Hook.) C.Lawson, *C. fortunei* var. *globosa* S.Y. Hu

3.Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Gnetidae Pax
- Order: Cupressales Link
- Family: Taxaceae Gray
- Genus: *Cephalotaxus* Siebold & Zucc. ex Endl.
- Species: *C. fortunei* Hook.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus: Taxeae Rich. ex Duby
Genus: *Cephalotaxus* Siebold & Zucc. ex Endl.
Species: *C. fortunei* Hook.

4.Distribution:

Global: Native to northern Burma and China

India:

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

6.Threat Status:

IUCN: Least concern

BSI:

7.Habit and Habitat: Shrub or small tree up to 20m high. Its altitudinal range is great and extends from 200 m to 3,700 m a.s.l., *C. fortunei* occurs as an understorey tree or shrub in mixed broad-leaved (angiosperm) forests, in mixed conifer-broad-leaved forests and in coniferous forests (*Abies* and *Picea*).

8.Life Form: Phanerophytes

9.Economic Importance: The wood of this species is of limited economic value; the main uses are in horticulture.

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=12^{1, 2, 3}$

13. Zygotic chromosome number(s): $2n=24^1$

14. Gametic chromosome number(s): $n=12$ (endosperm mitosis)³

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

Image file

16.Ploidy level:Diploid^{1, 3}

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:³

Karyotype Median and submedian³

Chromosome size Large 3

NOR chromosome(s) 1 ³

Degree of asymmetry Symmetrical ³

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.):