

Species Datasheet

Datasheet No. G-011.013.002
(family.genus.species)

1.Taxon:

Species: *Widdringtonia whytei* Rendle

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Callitris whytei* (Rendle) Engl., *Widdringtonia nodiflora* var. *whytei* (Rendle) Silba, *Widdringtonia nodiflora* subsp. *whytei* (Rendle) Silba

3.Systematic Position:

APG IV (2016)

- Kingdom:
- Clade:
- Clade:
- Clade:
- Order:
- Family:
- Subfamily:
- Genus:
- Species:
- Subspecies:
- Variety:

Bentham and Hooker(1862)

Kingdom:
Division:
Order:
Class:
Subclass:
Order:
Family:
Subfamily:
Genus:
Species:
Subspecies:
Variety:

4.Distribution:

Global: Endemic to Mt. Mulanje in Malawi

India:

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

6.Threat Status:

IUCN: Critically endangered (IUCN 3.1)

BSI:

7.Habit and Habitat: Evergreen tree (40-50 m tall), 1830-2550 m a.s.l

8.Life Form:Woody perennial

9.Economic Importance: Timber

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=11^{1,2,3}$

13. Zygotic chromosome number(s): $2n=22^{2,3}$

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level:Diploid^{2,3}

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:²

Karyotype Median and submedian²

Chromosome sizeLarge²

NOR chromosome(s)2²

Degree of asymmetrySymmetrical²

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.):