

Species Datasheet

Datasheet No. G-011.013.001
(family.genus.species)

1.Taxon:

Species: *Widdringtonianodiflora*(L.) E. Powrie

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Brunia nodiflora* L., *Callitris capensis* Schrad. ex Gordon, *Callitris commersonii* (Brongn.) T.Durand&Schinz, *Callitris cupressoides* (L.) Schrad.exE.Mey.,*Callitris juniperoides* (L.) T.Durand&Schinz, *Callitris mahonii* (Mast.)Engl.,*Callitris stricta* Schrad. exCarrière, *Cupressus africana* Mill., *Cupressus humilis* Salisb., *Cupressus juniperoides* L., *Frenela juniperoides* (L.) Parl., *Juniperus caesia* Carrière, *Juniperus capensis* Lam., *Pachylepis commersonii* Brongn., *Pachylepis cupressoides* (L.) Brongn.,*Pachylepis juniperoides* (L.) Brongn., *Parolinia juniperoides* Endl. ex Gordon [Invalid], *Sabina caesia* (Carrière) Antoine, *Schubertia capensis* Spreng. [Illegitimate], *Taxodium juniperoides* (L.) Rich. exSteud.,*Thuja aphylla* Burm.f. [Illegitimate], *Thuja cupressoides* L., *Thuja quadrangularis* Vent.,*Widdringtonia caffra* O.Berg, *Widdringtonia commersonii* (Brongn.) Endl.,*Widdringtonia cupressoides* (L.) Endl.,*Widdringtonia dracomontana* Stapf, *Widdringtonia juniperoides* (L.) Endl.,*Widdringtonia mahonii* Mast., *Widdringtonia natalensis* Endl., *Widdringtonia nodiflora* var. *dracomontana* (Stapf) Silba, *Widdringtonia nodiflora* subsp. *dracomontana*(Stapf) Silba, *Widdringtonia stipitata* Stapf

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: Malawi, West Mozambique, South Africa & Zimbabwe

India:

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

6.Threat Status:

IUCN: Least concern (3.1)

BSI:

7.Habit and Habitat: Evergreen multi-stemmed shrub or small tree (5-7 m tall)

8.Life Form: Woody perennial

9.Economic Importance: Fuel wood, ornamental

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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2C (20.80pg) ⁵	Flow cytometry ⁵
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12.Basic chromosome number(s): $x=11^{1,3}$

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

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

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

Image file

16.Ploidy level:Diploid³

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

KaryotypeMedian and submedian³

Chromosome sizeLarge³

NOR chromosome(s)2³

Degree of asymmetrySymmetrical³

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.):