

Species Datasheet

-

Datasheet No. G-011.002.006
(family.genus.species)

1.Taxon:

Species:*Callitrisverrucosa*(A.Cunn. ex Endl.) F.Muell.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Callitrispreissii* subsp. *verrucosa*(A.Cunn. ex Endl.) J.Garden,*C. preissii* var. *verrucosa*(A.Cunn. ex Endl.)Silba, *C. preissi*subsp.*verrucosa*(A. Cunn. ex Mirb.) F. Muell., *C. robusta* var. *verrucosa* (A.Cunn. ex Endl.) F.M.Bailey, *C. verrucosa* (A. Cunn. ex Mirb.) F. Muell.,*Frenelarobusta* var. *verrucosa* (A.Cunn. ex Endl.) Benth.,*F. verrucosa*A.Cunn. exEndl.,*F. verrucosa* A. Cunn. exMirb.

3.Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: PinidaeCronquist
- Order: Cupressales Link
- Family:Cupressaceae Gray
- Genus: *Callitris*Vent.
- Species: *C. verrucosa*(A.Cunn. ex Endl.) F.Muell.

Bentham and Hooker (1862)

Kingdom: Plantae
Division:Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus:Cupressineae
Genus: *Callitris*Vent.
Species: *C.verrucosa*(A.Cunn. ex Endl.) F.Muell.

4.Distribution:

Global: Found in Australia in New South Wales, Victoria and South Australia

India:

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

6.Threat Status:

IUCN: Least concern

BSI:

7.Habit and Habitat: Tree (6 m tall), Restricted to semi-arid malleeshrubland communities

8.LifeForm:Phanerophytes

9.Economic Importance: Limited localized use for fencing

10. Probable Progenitor of:

11.DNA

C-value Methodology

2C (20.80 pg)⁷Feulgenmicrodensitometry⁷

12.Basic chromosome number(s): $x=11^{3, 6}$

13. Zygotic chromosome number(s): $2n=22^4$

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

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

Image file

16.Ploidylevel:Diploid^{4, 6}

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:⁴

Karyotype Median and submedian⁴

Chromosome size Large⁴

NOR chromosome(s) 2⁴

Degree of asymmetry Symmetrical⁴

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.):