

Species Datasheet

-

Datasheet No. G-011.002.004
(family.genus.species)

1.Taxon:

Species: *Callitrispreissii*Miq.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Callitris gracilis* R.T.Baker, *C. gracilis* subsp. *murrayensis* (J.Garden) K.D.Hill, *C. preissii* subsp. *murrayensis* J.Garden, *C. preissii* var. *murrayensis* (J.Garden) Silba, *C. propinqua* R.Br. ex R.T.Baker&H.G.Sm., *C. robusta* (A.Cunn. ex Endl.) F.M.Bailey, *C. suissii* Preiss ex R.T.Baker&H.G.Sm, *C. tuberculata* R.Br. ex R.T.Baker&H.G.Sm, *Frenela crassivalvis* Miq.,*F. guilelmii* Parl., *F. robusta* A.Cunn. exEndl.

3.Systematic Position:

Christenhuszet al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: PinidaeCronquist
- Order: Cupressales Link
- Family:Cupressaceae Gray
- Genus: *Callitris*Vent.
- Species: *C. preissii*Miq.

Bentham and Hooker (1862)

Kingdom: Plantae
Division:Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus:Cupressineae
Genus: *Callitris*Vent.
Species: *C.preissii*Miq.

4.Distribution:

Global: Australia

India:

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

6.Threat Status:

IUCN: Least concern

BSI:

7.Habit and Habitat: Evergreen tree or shrub (20 m tall), usually found on coastal and inland sand dunes, sandy floodplains and low ridges.

8.LifeForm:Phanerophytes

9.EconomicImportance:Very limited local use for fencing.

10. Probable Progenitor of:

11.DNA

C-value	Methodology
---------	-------------

12.Basic chromosome number(s): $x=11^{2,3, 4, 6}$

13. Zygotic chromosome number(s): $2n=22^{2, 4, 6}$

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

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

Image file

16.Ploidy level:Diploid^{2, 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:^{2, 4, 6}

Karyotype Median and submedian^{2, 4, 6}

Chromosome sizeLarge^{2, 4, 6}

NOR chromosome(s)^{2, 4, 6}

Degree of asymmetrySymmetrical^{2, 4, 6}

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.):