

Species Datasheet

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Datasheet No. G-011.007.001
(family.genus.species)

1.Taxon:

Species: *Juniperus bermudiana* L.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Juniperus nepalensis* Loudon, *J. oppositifolia* Moench,
J. pyramidalis Salisb., *J. virginiana* var. *bermudiana* (L.) Vasey, *Sabina bermudiana* (L.) Antoine

3.Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Cupressales Link
- Family: Cupressaceae Gray
- Genus: *Juniperus* L.
- Species: *J. bermudiana* L.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Coniferae

Tribus: Cupressineae

Genus: *Juniperus* L.

Species: *J. bermudiana* L.

4.Distribution:

Global: Bermuda

India:

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

6.Threat Status:

IUCN:Critically Endangered

BSI:

7.Habit and Habitat: Evergreen tree (15 m tall), grows in shallow, calcareous soils on hillsides and along marshes and coastlines.

8.LifeForm:Phanerophytes

9.Economic Importance:Historically it was extensively used for building houses and up until about 1900 it sustained a thriving ship building industry. It was also used in furniture making, coffins, fence posts and for smaller objects such as paper cutters, boxes and rulers.

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=11^{7, 12}$

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

14. Gametic chromosome number(s): $n=11^{12}$

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

Image file

16.Ploidy level:Diploid¹²

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:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

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 11 II ^{12}

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.):