

Genus Datasheet

Datasheet No. G-008.002

(Family.Genus)

DBT- Network Programme

1. Genus: *Araucaria* Juss.

2. Systematic Position:
Christenhusz *et al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Araucariales Gorozh.,
- Family: Araucariaceae Henkel & W. Hochst.
- Genus: *Araucaria* Juss.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus: Araucarieae D. Don
Genus: *Araucaria* Juss.

3. Species:

Global: 20

India: 5

4. Taxonomic riddles:⁹

5. Distribution:

Global: [Argentina](#), [Chile](#), Eastern [Australia](#), India, [New Caledonia](#), [Norfolk Island](#),
[New Guinea](#), Queensland, southern [Brazil](#)

India: Introduced

6. Habit and Habitat: Large trees with a massive erect stem, reaching a height of 30–80 metres (98–262 ft), found in subtropical forests.

7. Economic Importance: Timber, the cones and harvest the seeds for food, ornamental, a Popular landscape tree

8. DNA content range:

2C (21.80 pg)⁷

2C (31.30–44.70 pg)⁸

Methodology

Feulgen microdensitometry⁷

Flow cytometry⁸

9. Basic chromosome number(s): $x=13$ ^{1, 2,3, 4,5, 6,7}

10. Zygotic chromosome number(s): $2n=26$ ^{1, 2, 3, 4, 5, 6, 7}

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

**12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/
Neocentric chromosomes):**

13. Ploidy level:Diploid^{1, 2,3, 4, 5, 6 7}

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: ^{1,3, 4, 5, 6}

Meiosis:

17. Banding pattern(s):C- bands, Ag staining, CMA+, DAPI+⁶

18. Physical mapping of chromosomes:

GISH:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: