

Genus Datasheet

Datasheet No. G-008.001
(Family.Genus)

DBT- Network Programme

1. Genus: *Agathis* Salisb.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Coniferae

Tribus: Araucarieae D. Don

Genus: *Agathis* Salisb.

2. Systematic Position:

Christenhusz et al. (2011)

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

3. Species:

Global: 18

India: 1

4. Taxonomic riddles:⁵

5. Distribution:

Global: Restricted to the [Southern Hemisphere](#)

India: Madhya Pradesh, New Delhi, Tamil Nadu, West Bengal, Uttarakhand,

6. **Habit and Habitat:** Evergreen trees, usually monoecious, very large, with clear straight boles beneath a globular crown

7. **Economic Importance:** Timber is preferably employed for general joinery work, an oleoresin used in adhesives, paints, polishes, inks and lacquers is also obtained

8. DNA content range:

Methodology

C-value $2C$ (21.64 pg)⁴

Feulgen microdensitometry⁴

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

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

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

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

13. Ploidy level: Diploid^{1, 3, 4}

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

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

16. Karyograms: 1, 3

Meiosis:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:⁵

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: