

Genus Datasheet

Datasheet No. G-011.011

(Family.Genus)

DBT- Network Programme

1. Genus: *Tetraclinis* Mast.

2. Systematic Position:

Christenhusz *et al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Cupressales Link
- Family: Cupressaceae Gray
- Genus: *Tetraclinis* Mast.
- Species: *T. articulata* (Vahl) Mast.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae

3. Species:

Global: 1

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Native of Algeria, Malta, Morocco, Spain, Tunisia

India: Planted in Uttarakhand

6. Habit and Habitat: Evergreen tree (6-15 m tall), low altitude, hot dry subtropical climate
Tetraclinis ranges from near sea level to 1,800 m a. s. l.

7. Economic Importance: *Tetraclinis* has a range of uses involving its leaves, fruits, wood, resin and oil. The burls that are formed after repeated coppicing are particularly valued for craftwork.

8. DNA content range:

Methodology

2C (23.59pg) ⁴Feulgenmicrodensitometry⁴

2C (25.7 pg)⁵

Flow cytometry⁵

9. Basic chromosome number(s): $x=11^{1,2,3,4}$

10. Zygotic chromosome number(s): $2n=22^{1,3,4}$

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: ³

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: