

Genus Datasheet

DBT- Network Programme

Datasheet No. G-002.002
(Family.Genus)

1. Genus: *Dioon* Lindl.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Cycadaceae Pers.

Tribus: Encephalarteae

Genus: *Dioon* Lindl.

2. Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Cycadidae Pax
- Order: Cycadales Pers.
- Family: Zamiaceae Horan.
- Genus: *Dioon* Lindl.

3. Species:

Global: 13

India: 2

4. Taxonomic riddles: 7, 8, 9, 10, 11, 12

5. Distribution:

Global: Native to [Mexico](#) and [Central America](#)

India: Cultivated

6. Habit and Habitat: Medium-to-large cycad, Habitats include tropical forests, [pine-oak forest](#), and dry hillsides, canyons and also grows on flat terrain.

7. Economic Importance: Seeds edible

8. DNA content range:

C-value $2C$ (50.30 pg)⁶

Methodology

Flow cytometry⁶

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

10. Zygotic chromosome number(s): $2n=18$ ^{2,3, 4, 5}

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

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

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

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

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

16. Karyograms: ^{2, 3, 4, 5}

Meiosis:

17. Banding pattern(s):

19. Phylogenetic relationship at Chromosomal; DNA level: 7, 8, 9, 10, 11, 12

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: