

Genus Datasheet

Datasheet No. G-002.005

(Family.Genus)

DBT- Network Programme

1. **Genus:** *Microcycas* (Miq.) A. DC.

2. Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Cycadidae Pax
- Order: Cycadales Pers. ex Bercht. & J. Presl
- Family: Zamiaceae Horan.
- Genus: *Microcycas* (Miq.) A. DC.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Cycadaceae Pers.
Tribus: Encephalarteae
Genus: *Microcycas* (Miq.) A. DC.

3. Species:

Global: 1

India: 1

4. **Taxonomic riddles:** 6, 7, 8, 9, 10

5. Distribution:

Global: Endemic to Western Cuba

India: Planted at Botanical Garden, NBRI, Lucknow

6. **Habit and Habitat:** Shrubs, the habitats vary from grasslands to, more commonly, pine or semi-deciduous forests and conditions range from full sun to deep shade.

7. **Economic Importance:** This plant may be cultivated as an indoor plant in temperate countries.

8. DNA content range:

Methodology

C-value 2C (41.20 pg) ⁵ Flow cytometry ⁵

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

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

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

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

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

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

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

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

Meiosis:

17. Banding pattern(s): CMA⁺, DAPI⁺ bands²

18. Physical mapping of chromosomes: rDNA²

GISH:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: