

# Genus Datasheet

Datasheet No. A-076.014  
Network Programme  
(Family.Genus)

DBT-

1. **Genus:** *Hyphaene* Gaertn.

2. **Systematic Position:**

**APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Genus: *Hyphaene* Gaertn.

**Bentham and Hooker (1862)**

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Calycinae  
Ordo: Palmae Juss.  
Genus: *Hyphaene* Gaertn.

3. **Species:**

**Global:** 8

**India:** 1

4. **Taxonomic riddles:**

5. **Distribution:**

**Global:** Africa, Madagascar, Arabia and India

**India:** West coast of India

6. **Habit and Habitat:** Moderate solitary or clustered fan palm, usually found in the drier parts of Africa and Arabia, with outlets in western India and possibly Sri Lanka, rarely in rain areas.

7. **Economic Importance:** The leaves are used for thatch and as a source of fibre for plaiting. The apex of semi-destructively tapped to make palm wine. Wood can be used. The fruits provide edible mesocarp and an endosperm, edible when young, but formerly used when mature as a source of vegetable. All fallen parts of the palms are used as fuel.

8. **DNA content range:**

**Methodology:**

9. **Basic chromosome number(s):**  $x=18^3$

10. **Zygotic chromosome number (s):**  $2n=36^{1,2}$

11. **Gametic chromosome number (s):**

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

**13. Ploidy level:**

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

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

**16. Karyograms:**

**Meiosis:**

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes:**

**GISH:**

**19. Phylogenetic relationship at Chromosomal; DNA level:**

**20. Cytogenetic mechanism (s) underlying evolution**

**21. Linkage map:**

**22. Any other information:**

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