

# Genus Datasheet

Datasheet No. A-076.008

DBT- Network

Programme

(Family.Genus)

1. Genus: *Corypha* L.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Subfamily: Coryphoideae Burnett
- Genus: *Corypha* L.

**Bentham and Hooker (1862)**

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Calycinae  
Ordo: Palmae Juss.  
Genus: *Corypha* L.

3. Species:

**Global:** 5

**India:** 3

4. Taxonomic riddles:

5. Distribution:

**Global:** Australia, Bay of Bengal, Indochina, India, Malaysia, and Sri Lanka

**India:** Andaman Islands, Assam, Karnataka, Kerala, Maharashtra, Tamil Nadu,

**6. Habit and Habitat:** Tree palms; *Corypha* species are frequently associated with human settlements, but in the wild, they are probably a feature of open several communities, such as alluvial plains, or subaritime storm forest, they are not found in climax tropical rain forest.

**7. Economic Importance:** *Corypha* has wide range of uses and is intensively exploited. Leaves are used for thatch, writing material, umbrellas, buckets etc. The stem has been used as a source of starch.

8. DNA content range:

2C

4C

**Methodology:**

9. Basic chromosome number(s):  $x=16^7$

**10. Zygotic chromosome number (s):**  $2n=36^{1, 2, 3, 4, 5}$

**11. Gametic chromosome number (s):**  $n=18^{1, 3, 6}$

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

**13. Ploidy level:**

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

**15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):** Several somat abnormal chromosomes number  $2n=18^3$

**16. Karyograms:**<sup>3</sup>

**Meiosis:**

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

**18. Physical mapping of chromosomes:**

**GISH:**

**19. Phylogenetic relationship at Chromosomal; DNA level: DNA level**<sup>8</sup>

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

**21. Linkage map:**

**22. Any other information:**