

Species Datasheet

Datasheet No. A-076.014.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Hyphaene dichotoma* (J.White Dubl. ex Nimmo) Furtado

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Borassus dichotomus* White, *Hyphaene indica* Becc., *Hyphaene taprobanica* Furtado

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Genus: *Hyphaene* Gaertn.
- Species: *Hyphaene dichotoma*
(J.White Dubl. ex Nimmo) Furtado

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Hyphaene* Gaertn.
Species: *Hyphaene dichotoma* (J.White
Dubl. ex Nimmo) Furtado

4. Distribution:

Global: India

India: West coast of India

5. **Indigenous/Exotic/ Endemic; Cultivated/Wild:** Endemic, Wild

6. Threat Status:

IUCN: Lower Risk/Near Threatened

BSI:

7. **Habit and Habitat:** A palm tree, Found to the coastal areas

8. **Life Form:** Phanerophyte

9. **Economic Importance:** Used as an ornamental Plant, All fallen parts of the palms are used as fuel.

10. **Probable Progenitor of:**

11. DNA

C- value

Methodology

12. **Basic chromosome number(s):**

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

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

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

Image file

16. **Ploidy level:**

Image file

17. **Agametoploidy**

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

19. **Genomic formula:**

20. **Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry:

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):