

Species Datasheet

Datasheet No. A-076.003.002
Programme
(family.genus.species)

DBT- Network

1. Taxon:

Species: *Arenga wightii* Griff.

Subspecies:

Variety:

Cultivar:

Hybrid:

Commonly known as 'wild coconut'.

Image file

2. Synonyms: *Saguerus wightii* (Griff.) H. Wendl. & Drude.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocot
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Subfamily: Coryphoideae Burnett
- Genus: *Arenga* Labill.
- Species: *A. wightii* Griff.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Spermatophyta
Class: Monocotyledon
Series: Calycinae
Ordo: Palmar Juss.
Genus: *Arenga* Labill.
Species: *A. wightii* Griff.

4. Distribution:

Global: India

India Kerala, Karnataka, Maharashtra, Tamil Nadu

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

6. Threat Status:

IUCN: Vulnerable

BSI:

7. Habit and Habitat: Monoecious tree palm, grows commonly on steep slopes in low and medium elevation wet evergreen forests.

8. Life Form: Phanerophyte

9. Economic Importance: The plant is used for extraction of starch and palm vine and fibre

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

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 e.t.c):