

Species Datasheet

Datasheet No. A-076.003.003
(family.genus.species)

DBT- Network Programme

-

1. Taxon:

Species: *Arenga obtusifolia* Mart.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Saguerus langbak* Blume

3. 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: *Arenga* Labill
- Species: *A. obtusifolia* Mart.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Arenga* Labill.
Species: *A. obtusifolia* Mart.

4. Distribution:

Global: India, Java, Malaysia, Malaya, Sumatera and Thailand

India: Arunachal Pradesh

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Evergreen tree palm, up to 20 meters tall; steep hillsides in coastal areas.

8. Life Form: Phanerophyte

9. Economic Importance: The leaves are used for thatching.

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=32^{4,5,7,8}$

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 Majority metacentric chromosomes⁵

Chromosome size Small⁵

NOR chromosome(s) 4 NOR⁵

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):