

Species Datasheet

Datasheet No. A-076.001.001
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species: *Actinorhynchus calapparia* (Blume) H. Wendl. & Drude ex Scheff.

Subspecies

Variety

Cultivar

Hybrid

Commonly known as 'Calappa palm'

Image file

2. Synonyms: *Actinorhynchus poamaui* Becc., *Areca calapparia* Blume, *A. cocoides* Griff., *Pinanga calapparia* (Blume) H. Wendl., *Ptychosperma calapparia* (Blume) Miq., *Seaforthia calapparia* (Blume) Mart.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Subfamily: Arecoideae Burnett
- Genus: *Actinorhynchus* H. Wendl. & Drude
- Species: *A. calapparia* (Blume) H. Wendl. & Drude ex Scheff.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Actinorhynchus* H. Wendl. & Drude
Species: *A. calapparia* (Blume) H. Wendl.
& Drude ex Scheff.

4. Distribution:

Global: Native to New Guinea and the Solomon Islands, now widespread in Southeast Asia.

India:

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Solitary, evergreen tree palms; in the wild, it grows in lowland tropical rain forest at altitudes up to about 1000 m above sea level.

8. Life Form: Phanerophytes

9. Economic Importance: It is very decorative, but the main reason for its cultivation by villagers is as a magic or medicinal plant. The seed may also be chewed as a betel substitute.

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, aneusomaty, polysomaty):

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):