

Species Datasheet

Datasheet No. A-076.011.001
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species: *Nannorrhops ritchiana* (Griff.) Aitch.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Chamaerops ritchieana* Griff., *Nannorrhops arabica* Burret, *Nannorrhops naudiniana* Becc., *Nannorrhops stocksiana* Becc.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Genus: *Nannorrhops* H. Wendl.
- Species: *N. ritchiana* (Griff.) Aitch.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Calycinae

Ordo: Palmae Juss.

Genus: *Nannorrhops* H. Wendl.

Species: *N. ritchiana* (Griff.) Aitch.

4. Distribution:

Species: *Nannorrhops ritchiana* (Griff.) Aitch.

Global: Afghanistan, Arabia, Iran and Pakistan

India:

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Shrubby hermaphroditic hapaxanthic fan palm confined to oases or seasonal water courses. Occurring in semi-desert areas where the water table is not too deep, but tending to avoid subtropical coastal habitats within its range; reaching to 1800 m altitude.

8. Life Form: Phanerophyte

9. Economic Importance: *Nannorrhops ritchiana* is a source of fibre used for weaving and rope making. Though undoubtedly ornamental and one of the hardiest palms, it is only rarely grown.

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 very small²

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):