

Species Datasheet

Datasheet No. A-076.013.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Calamus acanthospathus* Griff.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Calamus feanus* Becc., *C. feanus* var. *medogensis* S.J.Pei & S.Y.Chen, *C. montanus* T.Anderson, *C. yunnanensis* Govaerts, *Palmijuncus acanthospathus* (Griff.) Kuntze, *P. montanus* (T.Anderson) Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Genus: *Calamus* L.
- Species: *C. acanthospathus* Griff.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Calamus* L.
Species: *C. acanthospathus* Griff.

4. Distribution:

Global: India, Bhutan, Myanmar, China, Thailand, Laos, Nepal, Vietnam

India: North-east India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Climbing Palm. Tropical moist forest or lowland evergreen or montane rain forests at medium elevations often on limestone soils

8. Life Form: Phanerophytes

9. Economic Importance: Provides a good quality cane used in basket making and furniture making.

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):