

Species Datasheet

Datasheet No. A-076.013.015
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Calamus leptospadix* Griff.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Palmijuncus leptospadix* (Griff.) 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: *Calamus leptospadix* Griff.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Calycinae

Ordo: Palmæ Juss.

Genus: *Calamus* L.

Species: *C. leptospadix* Griff.

4. Distribution:

Global: East Nepal to North Myanmar

India: Assam

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Climbing Palm. Tropical Moist Forest

8. Life Form: Phanerophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=26$ ¹

$2n=28$ ^{4,5}

14. Gametic chromosome number(s): $n=13$ ¹

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 to submetacentric chromosomes ⁵

Chromosome: size Small ⁵

NOR chromosome(s): 4 NOR ⁵

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 (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):