

Species Datasheet

Datasheet No. A-076.013.032
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Calamus viminalis* Willd.
Subspecies
Variety
Cultivar
Hybrid
Image file

2. **Synonyms:** *Calamus extensus* Mart., *C. fasciculatus* Roxb., *C. litoralis* Blume, *C. pseudorotang* Mart. ex Kunth, *C. viminalis* var. *andamanicus* Becc., *C. viminalis* var. *bengalensis* Becc., *C. viminalis* var. *cochinchinensis* Becc., *C. viminalis* var. *fasciculatus* (Roxb.) Becc., *Palmijuncus fasciculatus* (Roxb.) Kuntze, *P. litoralis* (Blume) Kuntze, *P. pseudorotang* (Mart. ex Kunth) Kuntze, *P. viminalis* (Willd.) Kuntze, *Rotang viminalis* (Willd.) Baill.

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. viminalis* Willd.

Bentham and Hooker (1862)

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

4. Distribution:

Global: North-east India to South China and Lesser Sunda Islands

India: South India, North-central India, North-east India, Andaman and Nicobar Islands

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: The cane is of moderate quality, widely used for handicrafts and Shoot edible, fruit sometimes sold for food.

10. Probable Progenitor of:

11. DNA

C- value

4C (9.27 pg)¹¹

Methodology

Feulgen microdensitometry¹¹

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 26$ ^{1, 11, 13}

14. Gametic chromosome number(s): $n = 13$ ^{1, 12}

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agameteoploidy

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

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):