

# Species Datasheet

Datasheet No. A-076.013.010  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species *Calamus gracilis* Roxb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Palmijuncus gracilis* (Roxb.) 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. gracilis* Roxb.

### Bentham and Hooker (1862)

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

## 4. Distribution:

**Global:** Bangladesh, India, Laos, China and Myanmar

**India:** Meghalaya, Arunachal Pradesh, Assam

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

## 6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Climbing Palm. Evergreen forest or in open areas at 1000-1500 m elevation.

8. Life Form: Phanerophyte

9. Economic Importance: The cane is of high quality and widely traded. The shoot is edible.

10. Probable Progenitor of:

## 11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):  $2n=26^3$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid<sup>3</sup>

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:** Majority metacentric chromosomes<sup>3</sup>

**Chromosome size**

**NOR chromosome(s)**

**Degree of asymmetry:** Stebbin's 2B category<sup>3</sup>

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):**