

# Species Datasheet

Datasheet No. A-076.013.011  
(family.genus.species)

DBT- Network Programme

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## 1. Taxon:

Species *Calamus guruba* Buch.-Ham.

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Calamus guruba* var. *ellipsoideus* San Y. Chen & K.L.Wang, *C. mastersianus* Griff., *C. multirameus* Ridl., *C. nitidus* Mart., *Daemonorops guruba* (Buch.-Ham. ex Mart.) Mart., *D. guruba* var. *mastersianus* (Griff.) Mart., *Palmijuncus guruba* (Buch.-Ham. ex Mart.) Kuntze, *P. nitidus* (Mart.) 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. guruba* Buch.-Ham.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Calycinae  
Ordo: Palmae Juss.  
Genus: *Calamus* L.  
Species: *C. guruba* Buch.-Ham.

## 4. Distribution:

**Global:** Bangladesh, India, Thailand and Myanmar

**India:** North-central and North-east India

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Climbing Palm. Mountain rain forests, scrub forests to 1200 m elevation.

**8. Life Form:** Phanerophyte

**9. Economic Importance:** The cane is used in furniture industry.

**10. Probable Progenitor of:**

**11. DNA**

**C- value**

**Methodology**

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**  $2n= 26$ <sup>1</sup>

**14. Gametic chromosome number(s):**  $n= 13$ <sup>1</sup>

**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):**