

# Species Datasheet

Datasheet No. A-076.013.021  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species *Calamus palustris* Griff.

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Calamus kerriamus* Becc., *C. latifolius* Kurz, *C. loeiensis* Hodel, *C. palustris* var. *amplissimus* Becc., *C. palustris* var. *cochinchinensis* Becc., *C. palustris* var. *palustris*, *Palmijuncus palustris* (Griff.) Kuntze

## 3. Systematic Position:

### APG IV (2016)

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

### Bentham and Hooker (1862)

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

## 4. Distribution:

**Global:** Indo-China to Peninsula Malaysia

**India:** Great Nicobar Island

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Climbing Palm. Scrub forest at low 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**

2C (4.38 pg)<sup>6</sup>

2C (4.49 pg)<sup>6</sup>

**Methodology**

Flow cytometry<sup>6</sup>

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

**13. Zygotic chromosome number(s):** 2n= 28<sup>7</sup>

**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, aneusomy, polysomy):** Somatic cells with abnormal chromosomes number  $2n=14$ <sup>7</sup>,  $2n=26$ <sup>7</sup>

**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**<sup>16</sup>

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):**