

# Species Data Sheet

Datasheet No. A-078.005.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Rhopalephorascaberrima*(Blume) Faden  
Subspecies  
Variety  
Cultivar  
Hybrid  
Image file

2. **Synonyms:** *Aneilemaprotensum* (Wight) Wall. ex Thwaites, *A. scaberrimum* (Blume) Kunth, *A. scaberrimum* var. *fruticosum* C.B. Clarke, *Commelinaprotensa* Steud., nom. inval., *C. scaberrima* Blume, *Dictyospermumprotensum* Wight, *D. scaberrimum*(Blume) J.K. Morton ex Panigrahi, *Floscopabambusifolia* H.Lév., *Lamprodithyrosprotensum*(Wight) Hassk., *Phaeneilemascaberrimum* (Blume) Raizada, *Piletocarpusprotensum* (Wight) Hassk., *P. protensum* var. *angustifolius* Hassk., *P. protensum* var. *intermedius* Hassk., *P. protensum* var. *latifolius* Hassk., *Polliabambusifolia* (H.Lév.) H.Lév., *Rhopalephorascaberrima* var. *fruticosa* (C.B. Clarke) Vrinda & Panikkar, *Tradescantiascaberrima*(Blume) Hassk.

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Rhopalephora* Hassk.
- Species: *R. scaberrima*(Blume) Faden

## 4. Distribution:

**Global:** India, Sri Lanka, Bhutan, Nepal, Malaysia, South China, Taiwan

**India:** Andhra Pradesh, Assam, Goa, Karnataka, Kerala, Maharashtra, Manipur, Meghalaya, Nagaland, Orissa, Tamil Nadu

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Order: Commelinaceae Mirb.  
Genus: *Rhopalephora* Hassk.  
Species: *R. scaberrima*(Blume) Faden

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

## 6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Herb. Mainly occur in forest margins, undergrowth and riverbanks from 250 to 2000 m altitude.

8. **Life Form:** Chamaephytes

9. **Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

C-value

Methodology

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

**13. Zygotic chromosome number(s):** $2n=58^{3,4}$

**14. Gametic chromosome number(s):** $n=29^{1,2}$

**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:**  $29\text{II}^1$

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):**