

# Species Datasheet

Datasheet No. A-377.009.016  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Barleria montana* Nees  
Subspecies  
Variety  
Cultivar  
Hybrid  
Image file

2. Synonyms: *Barleria montana* Wight & Nees ex C.B.Clarke

## 3. Systematic Position:

### APG IV (2016)

Kingdom: Plantae  
Clade: Angiosperms  
Clade: Eudicot  
Clade: Asterids  
Order: Lamiales Bromhead  
Family: Acanthaceae Juss.  
Genus: *Barleria* L.  
Species: *B. montana* Nees

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Gamopetalae  
Series: Bicarpellatae  
Cohors: Personales  
Ordo: Acanthaceae Juss.  
Genus: *Barleria* L.  
Species: *B. montana* Nees

## 4. Distribution:

**Global:** India

**India:** Andhra Pradesh, Bihar, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha and Tamil Nadu.

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

## 6. Threat Status:

**IUCN:**

**BSI:**

7. Habit and Habitat: Shrub. Grows on exposed hill slopes above 1000 m.

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):

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, 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**

**27. Chromosome distribution at anaphase I:**

**28. Genetic diversity:**

**Chromosomal level**

**DNA level**

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