

Species Datasheet

Datasheet No. A-377.009.017
(family.genus.species)

DBT- N

1.Taxon:

Species:*Barleriamysorensis*B.Heyne ex Roth
Subspecies
Variety
Cultivar
Hybrid
Image file

2. **Synonyms:***Barleriaobovata*Buch-Ham.,*B.buxifolia*Roxb.,*B.buxifolia* var. *mysorensis* (B.Heyne ex Roth) Remadevi, *B.spina-ceylanica* Nees, *Dicranacanthusspinaceylanaica* (Nees) Oerst.

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. mysorensis*B.Heyne ex Roth

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Bicarpellatae
Cohors: Personales
Ordo: Acanthaceae Juss.
Genus: *Barleria*L.
Species: *B. mysorensis*B.Heyne ex Roth

4.Distribution:

Global:India and Sri Lanka.

India: Andhra Pradesh, Karnataka, Kerala and Tamil Nadu.

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Shrub. Found in deciduous forests and on exposed rockylocalities.

8.Life Form:Chamaephytes

9.Economic Importance: Medicinal.

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=40¹⁴

14. Gametic chromosome number(s):

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/Neocentric Chromosomes etc):

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

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:

30. References