

Species Datasheet

Datasheet No. A-140.015.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Macroptilium atropurpureum* (DC.) Urb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Phaseolus affinis* Piper, *P. atropurpureus* DC., *P. canescens* M.Martens & Galcott, *P. dysophyllus* Benth., *P. schiedeanus* Schtdl., *P. vestitus* Hook.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: Fabales
- Family: Fabaceae Lindl.
- Genus: *Macroptilium* (Benth.) Urb.
- Species: *M. atropurpureum* (DC.) Urb.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Macroptilium* (Benth.) Urb.
Species: *M. atropurpureum* (DC.) Urb.

4. Distribution:

Global: Africa, Australasia, America, China, India, Taiwan

India: Andhra Pradesh, Delhi, Goa, Maharashtra, Tamil Nadu

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb. Found in disturbed sites, waste areas, roadsides

8. **Life Form:** Chamaephytes

9. **Economic Importance:** Good nitrogen fixer and also used as forage

10. **Probable Progenitor of:**

11. **DNA**

C-value

Methodology

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

13. **Zygotic chromosome number(s):** $2n = 22^1$

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

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;Translocationsetc.):**