

Genus Datasheet
DBT- Network Programme

Datasheet No. A-140.030
(family.Genus)

1. Genus: *Macrotyloma* (Wight & Arn.) Verdc.

2. Systematic Position:

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: *Macrotyloma* (Wight & Arn.) Verdc.

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Genus: *Macrotyloma* (Wight & Arn.) Verdc.

3. Species:

Global: 25

India: 3

4. Taxonomic riddles:

5. Distribution:

Global: Africa, Australia, Bhutan, India, Pakistan, Nepal, Sri Lanka

India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Dadra-Nagar-Haveli, Delhi, Himachal Pradesh, Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Mizoram, Nagaland, Orissa, Pondicherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal

6. Habit and Habitat: Climbing herb.

7. Economic Importance: Used as forage and medicine.

8. DNA content range: Methodology

9. Basic chromosome number(s): $x=7$ ¹

10. Zygotic chromosome number(s): $2n = 20$ ^{1,2,3,9,10}, $2n=22$ ⁴

11. Gametic chromosome number(s): $n=10$ ¹, $n=11$ ⁴

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ 1 chromosomes):

13. Ploidy level:

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: ^{1,4} **Meiosis:** ^{1,4}

17. Banding pattern(s):

18. Physical mapping of chromosomes: GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map: