

Species Datasheet

Datasheet No. A-140.030.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Macrotyloma axillare* (E.Mey.) Verdc.

Variety

Cultivar

Hybrid

2. **Synonyms:** *Dolichos axillaris* E.Mey., *Macrotyloma axillare* var. *axillare*

3. Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus: *Macrotyloma* (Wight & Arn.) verdc.
- Species: *Macrotyloma axillare*
(E.Mey.) Verdc.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Rosales Bercht. & J. Presl
- Ordo: LeguminosaeJuss.
- Subordo: PapilionaceaeGiseke
- Genus: *Macrotyloma* (Wight & Arn.) verdc.
- Species: *Macrotyloma axillare* (E.Mey.) Verdc.

4. Distribution:

Global: Americas, Africa, Antarctica, Australia, Mauritius, Papua New Guinea.

India:

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

6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Climbing, Herb

8. **Life Form:** Perennial

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. DNA

C-value

Methodology

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

13. **Zygotic chromosome number(s):** $2n=20^{2,9,10}$

14. **Gametic chromosome number(s):**
15. **Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):**
16. **Ploidy level:**
17. **Agametoploidy:**
18. **Nature of polyploidy (auto, segmental, allo, autoallo):**
19. **Genomic formula:**
20. **Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**
21. **Somatic chromosomes:**
 - Karyotype:**
 - Chromosome size:**
 - NOR chromosome(s):**
 - Degree of asymmetry:**
22. **Banding pattern(s):**
23. **Physical mapping of chromosomes:**
 - In situ hybridization**
 - Fluorescent in situ hybridization**
24. **Genomic in situ hybridization:**
25. **Linkage map:**
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 stainability; Translocations etc.):**