

# Species Datasheet

DBT- Network Programme

Datasheet No. A-140.047.065  
(family.genus.species)

## 1. Taxon:

Species *Crotalaria linifolia* L.f.

Subspecies

Variety

Cultivar

Hybrid

Image file

## 2. Synonyms:

- *Crotalaria linifolia* var. *pygmaea* Yamam.
- *Crotalaria caespitosa* Roxb.
- *Crotalaria diffusa* Wight & Arn.
- *Crotalaria linifolia* var. *linifolia*
- *Crotalaria linifolia* var. *tecta* (B.Heyne) K.K.N.Nair
- *Crotalaria tecta* B.Heyne

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Crotalaria* L.
- Species: *C. linifolia* L.f.

### 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: *Crotalaria* L.  
Species: *C. linifolia* L.f.

## 4. Distribution:

**Global:** Antarctica, Australia, China, India, Indonesia, Papua New Guinea, Sri Lanka, Taiwan, Thailand, Viet Nam.

**India**

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

## 6. Threat Status:

IUCN

BSI

**7. Habit and Habitat:** Non-climbing, Herb. Habitat: Moist open places and wastelands.

**8. Life Form:** Annual

**9. Economic Importance:**

**10. Probable Progenitor of:**

**11. DNA**

**C-value Methodology**

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

**13. Zygotic chromosome number(s):**  $2n=16$ <sup>7,8, 10, 29, 40, 76</sup>

**14. Gametic chromosome number(s):**  $n=8$ <sup>10, 77</sup>

**15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):**

Image file

**16. Ploidy level:** Diploid<sup>7, 8</sup>

Image file

**17. A gametoploidy:**

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

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**21. Somatic chromosomes:**<sup>7, 8</sup>

**Karyotype:** Majority metacentric chromosome

**Chromosome size:** long/medium

**NOR chromosome(s):** 2

**Degree of asymmetry:** symmetrical

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**

**DNA level**

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):**