

## Species Datasheet

Datasheet No. A-140.047.027  
(family.genus.species)

DBT- Networ

### 1. Taxon:

Species *Crotalaria cytisoides*DC.  
Subspecies  
Variety  
Cultivar  
Hybrid  
  
Image file

### 2. Synonyms:

- *Crotalaria psoralioides* D. Don,
- *Priotropiscytisoides*(Roxb. ex DC.) Wight & Arn.
- *Crotalaria szemaensis*Gagnep.
- *Crotalaria szemaoensis*Gagnep.
- *Crotalaria zsemaensis*Gagnep.

### 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. cytisoides*DC.

**Bentham and Hooker (1862)**  
Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Polypetalae  
Series: Calyciflorae  
Cohors: Rosales Bercht. & J. Presl  
Ordo: LeguminosaeJuss.  
Subordo: PapilionaceaeGiseke  
Genus: *Crotalaria* L.  
Species: *C. cytisoides*DC.

### 4. Distribution:

**Global:** Bangladesh, Bhutan, China, India, Myanmar, Nepal, Thailand.

**India**

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

### 6. Threat Status:

IUCN

BSI

**7. Habit and Habitat:** Non-climbing, shrub.

**8. Life Form:** Perennial

**9. Economic Importance:**

**10. Probable Progenitor of:**

**11. DNA**

**C-value Methodology**

**12. Basic chromosome number(s):**  $x=8^{30, 31}$

**13. Zygotic chromosome number(s):**  $2n=16^{30}$

**14. Gametic chromosome number(s):**

**15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):** 1-3 B Chromosome<sup>30, 31</sup>

Image file

**16. Ploidy level:** Diploid<sup>30, 31</sup>

Image file

**17. Agametoploidy:**

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

**19. Genomic formula:**

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

**21. Somatic chromosomes:**<sup>30</sup>

**Karyotype:** Majority submetacentric chromosomes

**Chromosome size:** Large/medium

**NOR chromosome(s):** 4

**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):**

Pollen stainability: 99.6%<sup>31</sup>