

Species Datasheet

DBT- Network Programme

Datasheet No. A-140.047.145
(family.genus.species)

1. Taxon:

Species *Crotalaria wightiana* Wight & Arn.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Crotalaria rubiginosavar.wrightiana* (Wight & Arn.) Baker

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. wightiana* Wight & Arn.

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. wightiana* Wight & Arn.

4. Distribution:

Global: India, Sri Lanka.

India

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

6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Non-climbing, Herb and Shrub.

8. **Life Form:** Annual and Perennial.

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 16^{34}$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid³⁴

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:³⁴

Karyotype: Majority Submetacentric Chromosome

Chromosome: Small

NOR chromosome(s): 2

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

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):