

Species Datasheet

DBT- Network Programme

Datasheet No. A-140.047.081
(family.genus.species)

1. Taxon:

Species *Crotalaria mysorensis* Roth
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

- *Crotalaria decasperma* Naik
- *Crotalaria hirsuta* Roxb.
- *Crotalaria stipulacea* Roxb.

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. mysorensis* Roth

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. mysorensis* Roth

4. Distribution:

Global: Antarctica, Australia, Bangladesh, Brazil, India, Indonesia.

India

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Non-climbing, Erect herb. Habitat: Moist deciduous forests and scrub jungles, mostly in the plains.

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): $2n=16^{2,9, 10, 13, 14, 15, 35, 49}$

14. Gametic chromosome number(s): $n=8^{2,6, 10, 13, 14, 63, 82}$

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

Image file

16. Ploidy level: Diploid^{2,13, 14, 15}

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: 13, 14, 15

Karyotype: Majority metacentric and Submetacentric chromosomes

Chromosome size: Small

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: 8II^2

Female meiosis

Male meiosis²

Image file

27. Chromosome distribution at anaphase I: $8:8^2$

28. Genetic diversity:

Chromosomal level

DNA level

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