

Species Datasheet
DBT- Network Programme

Datasheet No. A-140.047.110
(family.genus.species)

1.Taxon:

Species *Crotalaria ramosissima*Roxb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Crotalaria tomentosa*Rottler

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. ramosissima*Roxb.

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. ramosissima*Roxb.

4.Distribution:

Global: India, Jamaica, Vietnam,Angola, Antarctica, Australia.

India

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

6.Threat Status:

IUCN

BSI

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

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): $2n=16^{8,21,90}$

14. Gametic chromosome number(s): $n=8^{8,28}$

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

Image file

16. Ploidy level: Diploid^{8,90}

Image file

17. Agameteoploidy:

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

19. Genomic formula:

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

21. Somatic chromosomes:⁸

Karyotype: Majority metacentric chromosomes

Chromosome size

NOR chromosome(s)

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):