

Species Datasheet
DBT- Network Programme

Datasheet No. A-140.047.050
(family.genus.species)

1.Taxon:

Species
Subspecies *Crotalaria incana* subsp. *incana*
Variety
Cultivar
Hybrid

Image file

2. Synonyms: This name is a synonym of *Crotalaria incana* L.

3.Systematic Position:

- | APG IV (2016) | Bentham and Hooker (1862) |
|-------------------------------|------------------------------------|
| • Kingdom: Plantae | Kingdom: Plantae |
| • Clade: Angiosperms | Division: Phanerogamia |
| • Clade: Eudicots | Class: Dicotyledons |
| • Clade: Superrosids | Subclass: Polypetalae |
| • Clade: Rosids | Series: Calyciflorae |
| • Clade: Fabids | Cohors: Rosales Bercht. & J. Presl |
| • Order: Fabales Bromhead | Ordo: Leguminosae Juss. |
| • Family: Fabaceae Lindl. | Subordo: Papilionaceae Giseke |
| • Subfamily: Faboideae Rudd | Genus: <i>Crotalaria</i> L. |
| • Genus: <i>Crotalaria</i> L. | Species: <i>C. incana</i> |
| • Species: <i>C. incana</i> | |

4.Distribution:

Global: Australia, Brazil, Ethiopia, Kenya, Papua New Guinea, Somalia, Tanzania, United States, Zimbabwe

India

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

6.Threat Status:

IUCN

BSI

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

8.Life Form: Perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=14^{1, 15}$

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level:Diploid¹⁵

Image file

17.Agametoploidy:

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

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:^{1, 15}

Karyotype:Majority Submetacentric Chromosomes

Chromosome size: Medium-large

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):