

Species Datasheet

DBT- Network Programme

Datasheet No. A-140.047.135
(family.genus.species)

1. Taxon:

Species *Crotalaria tetragona* Andrews
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

- *Crotalaria esquirolii* H. Lev.
- *Crotalaria grandiflora* Zoll.
- *Crotalaria esquirolii* H. Lev.

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. tetragona* Andrews

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. tetragona* Andrews

4. Distribution:

Global: Antarctica, Brazil, Jamaica, Southern - Eastern Asia, Mauritius, St Vincent.

India

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Not climbing, Herb

8. Life Form: Perennial

9. Economic Importance: Used as edible vegetable in North eastern India

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16$ ²⁹

14. Gametic chromosome number(s): $n=8$ ²⁸

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

Image file

16.Ploidy level:

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:

Karyotype

Chromosome

NOR chromosome(s)

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):