Species Datasheet

1.Taxon:

Species *Crotalaria albida*Roth

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:

- *Crotalaria formosana*Matsum. ex Ito &Matsum.

- *Crotalaria montana*Roxb.

- *Crotalaria arenaria* "sensuZoll. &Moritzi, non Be"

- *Crotalaria deflexa*Benth.

- *Crotalaria henricii*Hochr.

- *Crotalaria hossei*Craib

- *Crotalaria pseudohenricii*Hochr.

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. albida*Roth

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. albida*Roth

4.Distribution:

Global: Southern – Eastern Asia

India

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat: Herbs, short-lived or perennial, erect to ascending, 10-80 cm tall. Plants in this genus generally prefer a sunny position, succeeding in dry to moist, well-drained soils.

8.Life Form: Perennial

9.Economic Importance: The juice of the root is used in the treatment of indigestion.The juice of the plant is used in the treatment of bed wetting. A paste of the plant is applied topically as a treatment for warts, especially those on the sole of the feet.

10. Probable Progenitor of:

**11.DNA
C-valueMethodology**

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=16[7, 8, 9, 10]

14. Gametic chromosome number(s):n=8[10]

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

16.Ploidy level: Diploid[7, 8]

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:[7, 8]
Karyotype: Majority Metacentric
Chromosome size: Medium
NOR chromosome(s):0
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;Translocationsetc):