

**Species Datasheet**  
**DBT- Network Programme**

Datasheet No. A-140.047.144  
(family.genus.species)

**1.Taxon:**

Species *Crotalaria walkeri* Arn.  
Subspecies  
Variety  
Cultivar  
Hybrid

Image file

**2. Synonyms:** *Crotalaria semperflorens* var. *walkeri* (Arn.) Baker

**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. walkeri* Arn.

**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. walkeri* Arn.

**4.Distribution:**

**Global:** India, Sri Lanka.

**India**

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

**6.Threat Status:**

IUCN

BSI

**7.Habit and Habitat:** Non-climbing, Undershrub. Habitat: Grasslands and openings in evergreen and semi-evergreen forests.

**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):** $2n=16^{13, 29}$

**14. Gametic chromosome number(s):**

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

Image file

**16.Ploidy level:** Diploid<sup>13</sup>

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:**<sup>13</sup>

**Karyotype:**Majority Submetacentric chromosomes

**Chromosome size:**Small

**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):**