

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

Datasheet No. A-140.047.024  
(family.genus.species)

**1. Taxon**

Species *Crotalaria clarkei* Gamble  
Subspecies  
Variety  
Cultivar  
Hybrid

Image file

**2. Synonyms:**

**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. clarkei* Gamble

**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. clarkei* Gamble

**4. Distribution:**

**Global**

**India** Western ghats, Maharashtra, Kerala, District/s: Palakkad, Idukki, Wayanad, Pathanamthitta, Kannur, Kollam

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

**6. Threat Status:**

**IUCN**

**BSI**

**7. Habit and Habitat:** Herb, grows in evergreen forests and grasslands of western ghats

**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):**

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

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

Image file

**16. Ploidy level:**

Image file

**17. Agamete ploidy:**

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

**19. Genomic formula:**

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

**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):**