

Species Datasheet

Datasheet No. A-140.029.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Lonchocarpus sericeus* (Poir.) DC.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Derris sericea* (Poir.) Ducke, *Lonchocarpus cruentus* Lundell, *L. formosanus* DC., *L. pyxidarius* DC., *L. sericeus* subsp. *sericeus*, *Robinia sericea* Poir.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae Lindl.
- Genus: *Lonchocarpus* Kunth
- Species: *L. sericeus* (Poir.) DC.

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: *Lonchocarpus* Kunth
Species: *L. sericeus* (Poir.) DC.

4. Distribution:

Global: Angola, Benin, Brazil, Bolivia, Cameroon, Caribbean, Colombia, Costa Rica, Cuba, Equatorial Guinea, Fiji, French Guiana, Gabon, Ghana, Grenada, Guadeloupe, Guinea Bissau, Guinea, Guyana, Honduras, India, Ivory Coast, Jamaica, Liberia, Martinique, Mexico (North & Central), Mexico (South East), Nigeria, Panama, Papua New Guinea, Puerto Rico, Sao Tome & Principe, Senegal, Sierra Leone, South Africa, Sri Lanka, The Gambia, Togo, Trinidad & Tobago, United States, Venezuela, Zaire

India: Karnataka, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Perennial tree. Mainly found along rivers

8. **Life Form:** Phanerophytes

9. Economic Importance: Used as timber, for furniture, construction and flooring; also used as insecticides

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 22^1$

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 size

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):