

Species Datasheet

Datasheet No. A-140.044.001
(Family, Genus, Species)

DBT- Network Programme

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1. Taxon:

Species: *Lespedeza bicolor* Turcz.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Lespedeza bicolor* var. *bicolor* L. *bicolor* var. *intermedia* Maxim. *L. bicolor* var. *japonica* Nakai. *L. bicolor* var. *sericea* Nakai. *L. ionocalyx* Nakai. *L. setiloba* Nakai. *L. spicata* Nakai & F. Maek. *L. tobac* H. Koidz.

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: *Lespedeza* Michx.

Species: *L. bicolor* Turcz.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Brongniart
- Family: Fabaceae Lindl.
- Genus: *Lespedeza* Michx.
- Species: *L. bicolor* Turcz.

4. Distribution:

Global: Asia, Europe and North America

India: North West Himalaya

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Shrubs; Mountain slopes, forest margins, roadsides, thickets, forests.

8. **Life Form:** Chamaephytes

9. **Economic Importance:** The seed oil is used as a lubricant, the leaves as a tea substitute, and the branchlets for making baskets.

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. **Zygotic chromosome number(s):** $2n = 22^{1,2,3}$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

Image file

17. Agameto ploidy:

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

19. Genomic formula:

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

21. Somatic chromosomes:³

Karyotype Majority metacentric chromosomes

Chromosome size

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

Image file

DNA level⁴

29. Any other information (Aponixis; Inversion; Male sterility; Pollen grain mitosis;

Pollen stainability; Translocation etc):