Species Datasheet

Datasheet No. A-140.023.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Tipuanatipu* (Benth.) Kuntze
Subspecies:
Variety:
Cultivar:
Hybrid:

Image file

2. Synonyms:*Machaerium fertile* Griseb., *M.tipu*Benth., *Tipuanaspeciosa*Benth., *T.tipa*Lillo

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Genus: *Tipuana*(Benth.) Benth.
- Species: *T.tipu*(Benth.) Kuntze

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: RosalesBercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Tipuana*(Benth.) Benth.
Species: *T.tipu*(Benth.) Kuntze

4. Distribution:

Global: Argentina, Bahia, Bolivia, Brazil, France, Hawaii, India, Iraq, Jujuy, Kenya, Malawi, New Zealand, Papua New Guinea, Salta South Africa, Tanzania, Tucuman, Uganda, United States, Uruguay

India: Karnataka

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Perennial tree. Found in seasonally dry subtropical forest and open shrubland

8. Life Form: Phanerophytes

9. Economic Importance: *T. tipu* used for production of charcoal. Also yields good timber and an ornamental plant

10. Probable Progenitor of:

11. DNA

C-value **Methodology**

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n= 20[1,2]

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

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:

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 ;Translocationsetc):