

Species Datasheet

Datasheet No. A-377.015.017
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dicliptera paniculata* (Forssk.) I. Darysh.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Dianthera malabarica* L.f., *D. paniculata* Forssk., *Dicliptera paniculata* var. *rivinoides* (C.B.Clarke) Karthik. & Moorthy, *D. paniculata* var. *subaequibracteata* (Bennet) Karthik. & Moorthy, *Justicia ligulata* Lam., *Peristrophe bicalyculata* var. *rivinoides* C.B.Clarke, *P. bicalyculata* var. *subaequibracteata* Bennet, *P. paniculata* (Forssk.) Brummitt

3. Systematic Position:

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Dicliptera* Juss.
- Species: *D. paniculata* (Forssk.) I Darysh

APG IV (2016)

- Kingdom: Plantae
 - Clade: Angiosperms
 - Clade: Eudicots
- Clade: Superasterids
 - Clade: Asterids
 - Order: Lamiales Bromhead
 - Family: Acanthaceae Juss.
 - Genus: *Dicliptera* Juss.
- Species: *D. paniculata* (Forssk.) I Darysh

4. Distribution:

Global: China, Djibouti, Ethiopia, Gambia, India, Kenya, Madagascar, Myanmar, Nepal, Niger, Nigeria, Pakistan, Senegal, South Africa, Sudan, Tanzania, Vietnam and Zimbabwe

India: Punjab, North-East India and in Western Ghats

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb. Found in deciduous forests and waste lands.

8. Life Form: Chamaephytes

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): $n=13^{7, 11}$

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

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 stain ability; Translocations etc):