

Genus Datasheet

Datasheet No. A-416.049
(Family:Genus)

DBT- Network Programme

1. Genus:*Trachyspermum* Link

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus:*Trachyspermum* Link

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus:*Trachyspermum* Link

3. Species:

Global: 18

India: 6

4. Taxonomic riddles:

5. Distribution:

Global:Afghanistan, Bangladesh, China, Ethiopia, India, Kenya, Laos, Myanmar, Pakistan, Saudi Arabia, Socotra, Somalia, Tanzania, Turkmenistan, Uzbekistan, West Himalaya, Czechoslovakia, Kazakhstan, Morocco

India:Himalaya and North East India

6. Habit and Habitat:Herb

7.Economic Importance:

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=18^{1,2,3,4,5,6}$

11. Gametic chromosome number(s): $n=9^{6,9}$; $n=10^7$; $n=11^{10,11}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ Neocentric chromosomes):

13. Ploidy level:

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship atChromosomal; DNAlevel: DNA level¹²

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Total number of species with reports = 3/6