

Species Datasheet

Datasheet No. A-416.049.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Trachyspermum anethifolium* (D.Don) H.Wolff

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Carum anethifolium* (D.Don) Benth. ex C.B.Clarke, *Pimpinella anethifolia* D.Don, *Ptychotis anethifolia* (D.Don) DC.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Trachyspermum* Link
- Species: *T. anethifolium* (D.Don) H.Wolff

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Trachyspermum* Link
- Species: *T. anethifolium* (D.Don) H.Wolff

4. Distribution:

Global: India, Nepal

India: Himalaya, from Nepal to Garhwal

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

6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Herb

8. **Life Form:**

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): $n=9^9$; $n=11^{10}$

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; Translocations etc):