

Species Datasheet

Datasheet No. A-416.047.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Torilis japonica* (Houtt.) DC.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Anthriscus vulgaris* Bernh., *Caucalis anthriscus* (L.) Huds., *C. aspera* Lam., *C. conifolia* Wall. ex DC., *C. elata* D.Don, *C. japonica* Houtt., *Chaerophyllum hispidum* Thunb. ex Miq., *Daucus anthriscus* (L.) Baill., *Selinum anthriscus* (L.) E.H.L.Krause, *Selinum torilis* E.H.L.Krause, *Tordylium anthriscus* L., *T. verecundum* Salisb., *Torilis anthriscus* St.-Lag., *T. convexa* Dulac, *T. elata* Spreng., *T. persica* Boiss. & Buhse, *T. praetermissa* Hance, *T. rubella* Moench, *T. stricta* Wibel

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Torilis* Adans.
- Species: *T. japonica* (Houtt.) DC.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Torilis* Adans.
- Species: *T. japonica* (Houtt.) DC.

4. Distribution:

Global: Albania, Austria, Balears, Baltic States, Belarus, Belgium, Bulgaria, Central European Rus, Corse, Czechoslovakia, Denmark, East European Russia, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Korea, Krym, Kuril Island, Myanmar, Netherlands, Northwest European R, Norway, Poland, Portugal, Primorye, Romania, South European Russi, Spain, Sweden, Switzerland, Turkey-in-Europe, Ukraine, Vietnam, West Himalaya, Yugoslavia, Haiti, Illinois, Kentucky, North Carolina

India: Arunachal Pradesh, Himachal Pradesh, Jammu and Kashmir, Mizoram, Nagaland, Sikkim, Uttar Pradesh

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb, Hedges and grassy places in dry soils

8. Life Form:

9. Economic Importance: The seed is anthelmintic, antifungal, antiviral, expectorant and tonic.

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16^{1,5,6,9,10}$

14. Gametic chromosome number(s): $n=8^{1,5,6,9,10}$

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):