

Species Datasheet

Datasheet No. A-416.029.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Pastinaca sativa*L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Pastinaca angulosa* Dulac, *P.capensis* Sond., *P. esculenta* Salisb., *P. fleischmannii* Hladnik, *P. heracleoides* (Boros) Kotov, *P. insularis* Calest., *P. insularis* Rouy & E.G.Camus, *P. opaca* Bernh. ex Hornem., *P. pratensis* H.Mart., *P. propinqua* Jord. ex Boreau, *P. sylvestris* Mill., *P. taraxacifolia* Fisch. ex Schult., *P. tereticaulis* Boreau ex Celak., *P. vulgaris* Bubani, *Peucedanum sativum* (L.) Benth. & Hook.f. ex B.D.Jacks.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus:*Pastinaca* L.
- Species:*P. sativa* L.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus:*Pastinaca* L.
- Species:*P. sativa* L.

4. Distribution:

Global: Austria, Belgium, Czechoslovakia, France, Germany, Great Britain, Italy, Netherlands, Spain, Switzerland, Aleutian Island, Algeria, Altay, Argentina, Belarus, Bolivia, Bulgaria, Buryatiya, Cape Provinces, Central European Rus, Chile, Colorado, Cuba, Denmark, Dominican Republic, Ecuador, Finland, Free State, Greece, Haiti, Illinois, India, Ireland, Irkutsk, Jamaica, Kazakhstan, Kentucky, Kirgizstan, KwaZulu-Natal, Laos, Morocco, Myanmar, New Mexico, North European Russi, Northern Provinces, Norway, Peru, Portugal, Primorye, Romania, Sardegna, South European Russi, Sweden, Tadjikistan, Tennessee, Ukraine, Uruguay, Uzbekistan, Vermont, Yugoslavia

India: Cultivated

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat:Herbs;Roadsides and grassy waste places, especially on chalk and limestone

8. Life Form:

9. Economic Importance: The leaves and roots are used to make an insect spray

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=22^{1,2,3,4,5}$

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

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 level⁸

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):