

# Species Datasheet

Datasheet No. A-416.028.002  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Osmorhiza claytonii* (Michx.) C.B. Clarke

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Chaerophyllum claytonii* (Michx.) Pers., *C. dulce* Fisch. ex Steud., *Myrrhis brevistylis* (DC.) D.Dietr., *M. claytonii* Michx., *Osmorhiza aristata* var. *brevistylis* (DC.) B.Boivin, *O. brevistylis* DC., *O. dulcis* Raf., *Scandix claytonii* (Michx.) Koso-Pol., *Uraspermum aristatum* subsp. *brevistyle* (DC.) Kuntze, *U. claytonii* (Michx.) Nutt., *U. dulce* (Muhl. ex DC.) Farw., *U. dulce* var. *laevicaule* Farw., *U. hirsutum* Bigelow, *Washingtonia claytonii* (Michx.) Britto

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Osmorhiza* Raf.
- Species: *O. claytonii* (Michx.) C.B. Clarke

### Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Osmorhiza* Raf.
- Species: *O. claytonii* (Michx.) C.B. Clarke

## 4. Distribution:

**Global:** India, Japan, Korea, Mongolia, North America, Russia

**India:** North West Himalaya

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

## 6. Threat Status:

IUCN

BSI

**7. Habit and Habitat:** Herb; Forests on mountain slopes, grassy places on stream banks

## 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):**  $2n=22^{2,3}$

**14. Gametic chromosome number(s):**

**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; Translocation etc):**