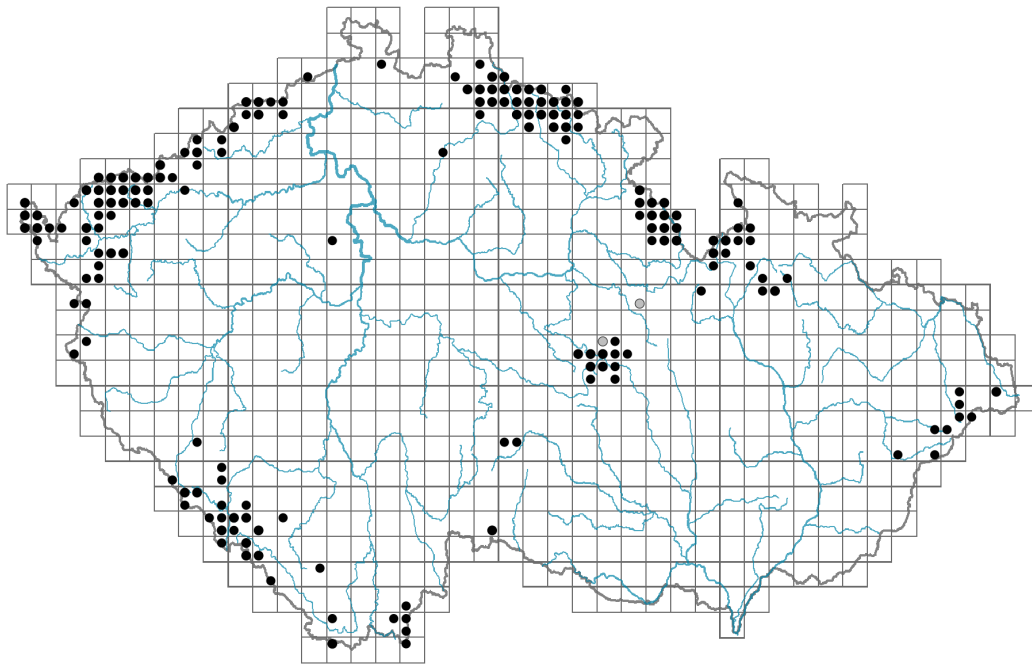# *Peucedanum ostruthium*

Distribution

Map info

● *revised records*

○ *unrevised records*

On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.

Habitus and growth type

Height [m]: **0.3–1**
Growth form: **clonal herb**
Life form: **hemicryptophyte**
Life strategy (Pierce method based on leaf traits): **C/CS**
Life strategy (Pierce method, C-score): **66.2 %**
Life strategy (Pierce method, S-score): **17.1 %**
Life strategy (Pierce method, R-score): **16.7 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **compound – ternate, compound – bipinnate**
Stipules: **absent**
Petiole: **both present and absent**

Flower

Flowering period [month]: **June–August**
Flower colour: **white**
Flower symmetry: **actinomorphic**
Perianth type: **calyx absent, corolla present**

Perianth fusion: **free**
Inflorescence type: **umbella composita**
Generative reproduction type: **facultative allogamy**

Fruit, seed and dispersal

Fruit type: **dry fruit – cremocarp**
Fruit colour: **brown**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (b)**

Belowground organs and clonality

Type of clonal growth organ: **epigeogenous rhizome**
Freely dispersible organs of clonal growth: **absent**
Shoot life span (cyclicity): **dicyclic or polycyclic shoots prevailing**
Branching type of stem-derived organs of clonal growth: **sympodial**
Primary root: **absent**
Persistence of the clonal growth organ [year]: **4**
Number of clonal offspring: **0.8**
Lateral spreading distance by clonal growth [m]: **0.08**
Clonal index: **4**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **5**
Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **15**
Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **10**
Size of the belowground bud bank (root buds excluded): **30**
Depth of the belowground bud bank (root buds exluded) [cm]: **8**
Number of buds per shoot at the soil surface (root buds included): **5**
Number of buds per shoot at a depth of 0–10 cm (root buds included): **15**
Number of buds per shoot at a depth greater than 10 cm (root buds included): **10**
Size of the belowground bud bank (root buds included): **30**
Depth of the belowground bud bank (root buds included) [cm]: **8**

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**
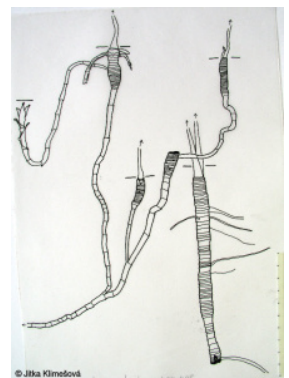
Taxon origin

Origin in the Czech Republic: **archaeophyte/neophyte**
Invasion status: **naturalized**
Geographic origin: **Europe**
Year of the first record in the wild: **1809**
Period of introduction: **Late Middle Ages and Early Modern Period (merged category, 1200–1800)**

Introduction pathway: **intentional – other**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **7 – half-light plant, mostly occurring at full light, but also in the shade up to about 30% of diffuse radiation incident in an open area**

Temperature indicator value: **4 – transition between values 3 and 5**

Moisture indicator value: **6 – transition between values 5 and 7**

Reaction indicator value: **6 – transition between values 5 and 7**

Nutrient indicator value: **7 – occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**

Salinity indicator value: **0 – not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.22**

Herb layer disturbance frequency indicator value: **-0.46**

Whole-community disturbance severity indicator value: **0.38**

Herb layer disturbance severity indicator value: **0.37**

Whole-community structure based disturbance indicator value: **0.45**

Herb layer structure-based disturbance indicator value: **0.48**

Habitat and sociology

Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

4K Petasites fringes of montane brooks: **1 – rare occurrence**

6 Meadows and mesic pastures

6B Montane mesic meadows: **1 – rare occurrence**

11 Heathlands and scrub

11R Scrub and pioneer woodland of forests clearings: **1 – rare occurrence**

13 Anthropogenic vegetation

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **2 – optimum**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **0 – taxon that does not spontaneously occur in Czech forests**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **0 – taxon that does not spontaneously occur in Czech forests**

Diagnostic taxon

Diagnostic taxon of alliances: **XDF *Rumicion alpini***

Diagnostic taxon of associations: **XDF01 *Rumicetum alpini***

Dominant taxon

Dominant taxon of associations: **XDF01 *Rumicetum alpini***

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.5**

Ecological specialization index for non-forest vegetation: **5.7**

Distribution and frequency

Continentality degree: **3**

Distribution range extension along the continentality gradient: **3**

Elevational belt in the Czech Republic: **submontane belt, montane belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 119

taxon.data.freq_in_quad: 196

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.1 %**

Occurrence frequency in vegetation plots with a cover above 5%: **47.6 %**

Occurrence frequency in vegetation plots with a cover above 25%: **9.5 %**

Occurrence frequency in vegetation plots with a cover above 50%: **4.8 %**

Mean percentage cover in vegetation plots: **11.5 %**

Maximum percentage cover in vegetation plots: **63 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **4**

Number of narrow habitats in which the taxon has its optimum: **1**

Number of broad habitats in which the taxon occurs: **4**

Number of broad habitats in which the taxon has its optimum: **1**

Threats and protection

Red List 2017 (national categories): **taxon is not on the Red List**

Red List 2017 (IUCN categories): **LC(NA) – least concern (taxon is not on the Red List)**

Legal protection: **not protected by law**