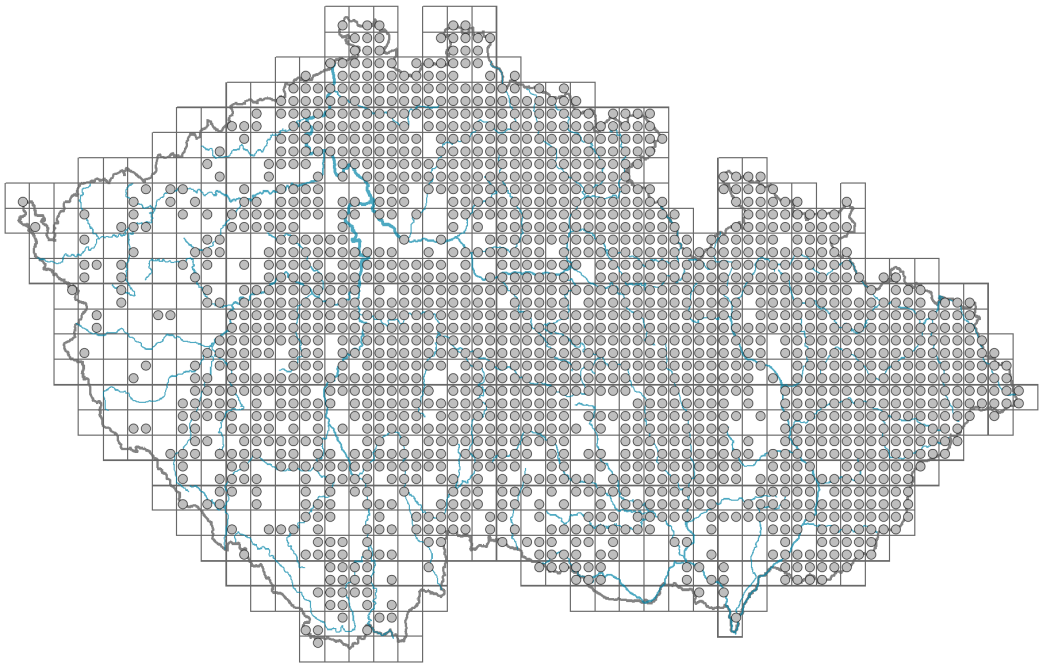
Chaerophyllum aromaticum

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]: **0.5–1.8**
Growth form: **clonal herb**
Life form: **hemicryptophyte**
Life strategy: **C – competitor**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **compound – bipinnate**
Stipules: **absent**
Petiole: **present**
Leaf life span: **summer green**
Leaf anatomy: **mesomorphic**

Flower

Flowering period [month]: **June–August**
Flowering phase: **7 Ligustrum vulgare-Stachys sylvatica (end of early summer)**
Flower colour: **white**
Flower symmetry: **actinomorphic**
Perianth type: **calyx absent, corolla present**

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Perianth fusion: **free**
Inflorescence type: **umbella composita**
Dicliny: **andromonoecious**
Generative reproduction type: **facultative allogamy**
Pollination syndrome: **insect-pollination, geitonogamy**



Fruit, seed and dispersal

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





Belowground organs and clonality

Shoot metamorphosis: **rhizome-like pleiocorm**
Storage organ: **rhizome-like pleiocorm**
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: **1**
Lateral spreading distance by clonal growth [m]: **0.01**
Clonal index: **3**





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): **0**
Size of the belowground bud bank (root buds excluded): **20**
Depth of the belowground bud bank (root buds exluded) [cm]: **4**
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): **0**
Size of the belowground bud bank (root buds included): **20**
Depth of the belowground bud bank (root buds included) [cm]: **4**





Trophic mode

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

Taxon origin

Origin in the Czech Republic: **native**

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Ecological indicator values



Ellenberg-type indicator values

Light indicator value: **7x – 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 (generalist)**

Temperature indicator value: **5 – moderate heat indicator, occurring from lowland to montane belt, mainly in submontane-temperate areas**

Moisture indicator value: **7 – humidity indicator, focus on well moistened, but not wet soils**



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

Nutrient indicator value: **8 – pronounced nutrient indicator**

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

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.12**

Herb layer disturbance frequency indicator value: **-0.47**



Whole-community disturbance severity indicator value: **0.43**

Herb layer disturbance severity indicator value: **0.43**

Whole-community structure based disturbance indicator value: **0.4**

Herb layer structure-based disturbance indicator value: **0.44**

Habitat and sociology



Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

4D Riverine reed vegetation: **1 – rare occurrence**

4E Reed vegetation of brooks: **1 – rare occurrence**

4J River gravel banks: **1 – rare occurrence**

4K Petasites fringes of montane brooks: **2 – optimum**

4L Nitrophilous herbaceous fringes of lowland rivers: **2 – optimum**

5 Vegetation of springs and mires

5B Lowland to montane soft-water springs: **1 – rare occurrence**

6 Meadows and mesic pastures



6A Mesic Arrhenatherum meadows: **2 – optimum**

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

6C Pastures and park grasslands: **1 – rare occurrence**

6D Alluvial meadows of lowland rivers: **1 – rare occurrence**

6E Wet Cirsium meadows: **1 – rare occurrence**

6G Vegetation of wet disturbed soils: **1 – rare occurrence**

7 Acidophilous grasslands

7B Submontane Nardus grasslands: **1 – rare occurrence**



8 Dry grasslands

8F Thermophilous forest fringe vegetation: **1 – rare occurrence**

11 Heathlands and scrub

11J Willow galleries of loamy and sandy river banks: **2 – optimum**

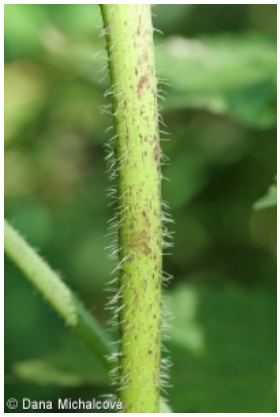
11L Tall mesic and xeric shrub: **1 – rare occurrence**

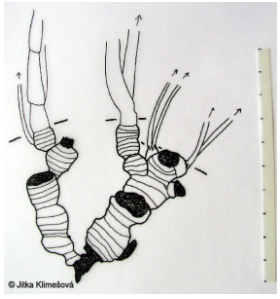
11N Low xeric scrub: **1 – rare occurrence**

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11R Scrub and pioneer woodland of forests clearings: **2 – optimum**

12 Forests

12B Alluvial forests: **2 – optimum**
12C Oak-hornbeam forests: **1 – rare occurrence**
12D Ravine forests: **1 – rare occurrence**
12E Herb-rich beech forests: **1 – rare occurrence**
12T Robinia pseudacacia plantations: **1 – rare occurrence**

13 Anthropogenic vegetation

13A Annual vegetation of ruderal habitats: **1 – rare occurrence**
13B Annual vegetation of arable land: **1 – rare occurrence**
13C Annual vegetation of trampled habitats: **1 – rare occurrence**
13D Perennial thermophilous ruderal vegetation: **1 – rare occurrence**
13E Perennial nitrophilous herbaceous vegetation of mesic sites: **3 – dominant**
13F Herbaceous vegetation of forests clearings and Rubus scrub: **1 – rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.1 – taxon occurring both in the forest and open vegetation**
Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.1 – taxon occurring both in the forest and open vegetation**

Diagnostic taxon

Diagnostic taxon of classes: **XD *Galio-Urticetea***
Diagnostic taxon of alliances: **KAB *Salicion elaeagno-daphnoidis***, **XDB *Petasition hybridi***, **XDE *Aegopodion podagrariae***
Diagnostic taxon of associations: **XDB01 *Petasitetum hybridi***, **XDE03 *Chaerophylletum aromatici***

Constant taxon

Constant taxon of alliances: **XDB *Petasition hybridi***
Constant taxon of associations: **XDB01 *Petasitetum hybridi***, **XDE03 *Chaerophylletum aromatici***

Dominant taxon

Dominant taxon of associations: **XDE03 *Chaerophylletum aromatici***

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.1**
Ecological specialization index for non-forest vegetation: **4.3**
Ecological specialization index for forest vegetation: **5.7**

Colonization ability

Index of colonization success (ICS): **5**
Index of colonization potential (ICP): **3**
Optimum successional age [years]: **5**

Distribution and frequency

Floristic zone: **northern temperate, southern temperate, submeridional**
Floristic region: **Europe**
Continentality degree: **6**
Distribution range extension along the continentality gradient: **2**
Elevational belt in the Czech Republic: **colline belt, submontane belt**

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Expansive taxon in the region: **Bohemian Thermophyticum, Bohemian Moravian Mesophyticum, Bohemian Moravian Oreophyticum, Pannonian Thermophyticum, Carpathian Mesophyticum, Carpathian Oreophyticum**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 575

taxon.data.freq_in_quad: 1784

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **2 %**

Occurrence frequency in vegetation plots with a cover above 5%: **35.5 %**

Occurrence frequency in vegetation plots with a cover above 25%: **24.6 %**

Occurrence frequency in vegetation plots with a cover above 50%: **15.6 %**

Mean percentage cover in vegetation plots: **17.5 %**

Maximum percentage cover in vegetation plots: **99 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **29**

Number of narrow habitats in which the taxon has its optimum: **7**

Number of broad habitats in which the taxon occurs: **8**

Number of broad habitats in which the taxon has its optimum: **5**

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**

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