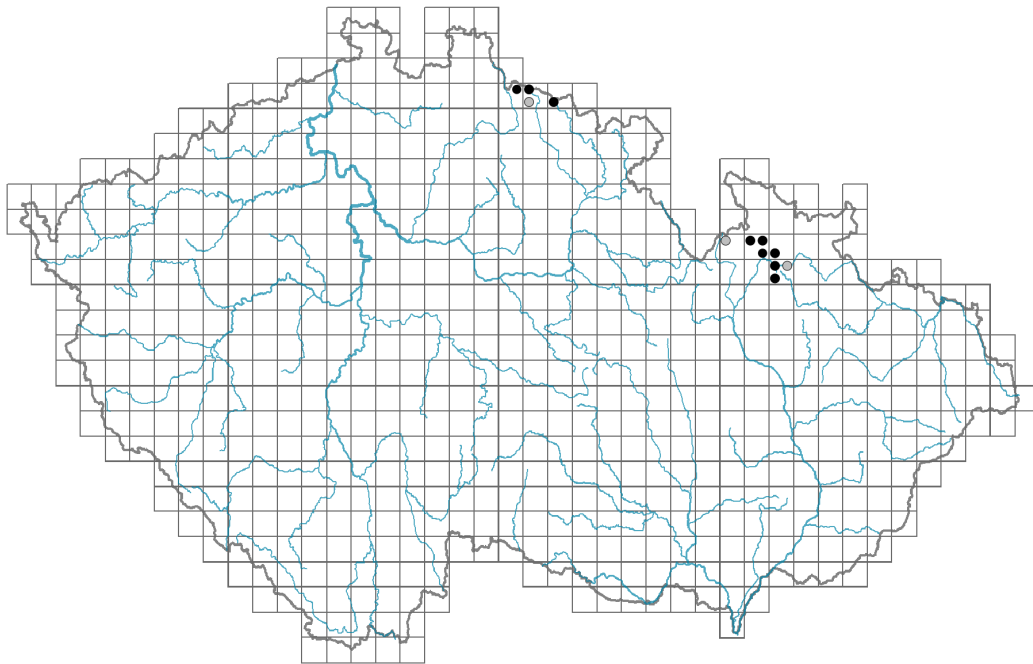


Carex vaginata

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]: **0.1-0.4**

Growth form: **clonal herb**

Life form: **hemicryptophyte (geophyte)**

Life strategy: **S - stress-tolerator**

Life strategy (Pierce method based on leaf traits): **SR**

Life strategy (Pierce method, C-score): **10.6 %**

Life strategy (Pierce method, S-score): **46 %**

Life strategy (Pierce method, R-score): **43.4 %**



Leaf

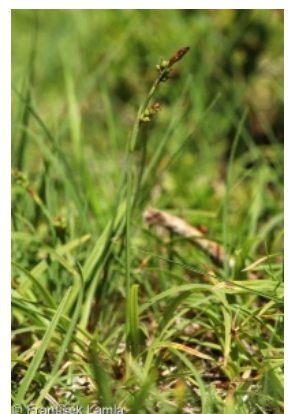
Leaf presence and metamorphosis: **leaves present, not modified**

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **absent**



Flower

Flowering period [month]: **June-July**

Flower colour: **brown**

Perianth type: **flower achlamydeous**

Inflorescence type: **spica e spiculis composita**
 Dicliny: **monoecious**
 Generative reproduction type: **facultative allogamy**
 Pollination syndrome: **wind-pollination**

Fruit, seed and dispersal

Fruit type: **dry fruit - nut enclosed in an utricle**
 Fruit colour: **green, brown**
 Reproduction type: **by seed/spores and vegetatively**
 Dispersal unit (diaspore): **fruit, infrutescence or its part**
 Dispersal strategy: **Allium (mainly autochory)**

Belowground organs and clonality

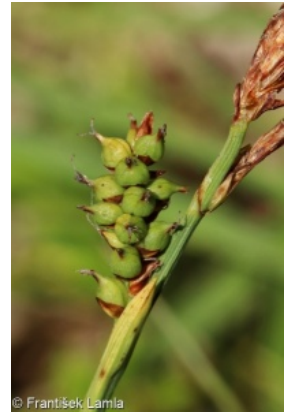
Shoot metamorphosis: **stolon, rhizome**
 Storage organ: **stolon, rhizome**
 Type of clonal growth organ: **hypogeogenous rhizome**
 Freely dispersible organs of clonal growth: **absent**
 Shoot life span (cyclicity): **dicyclic or polycyclic shoots prevailing**
 Branching type of stem-derived organs of clonal growth: **sympodial**
 Primary root: **absent**
 Persistence of the clonal growth organ [year]:
 Number of clonal offspring: **3.5**
 Lateral spreading distance by clonal growth [m]: **0.07**
 Clonal index: **5**
 Bud bank
 Number of buds per shoot at the soil surface (root buds excluded):
 Number of buds per shoot at a depth of 0–10 cm (root buds excluded):
 Number of buds per shoot at a depth greater than 10 cm (root buds excluded):
 Size of the belowground bud bank (root buds excluded):
 Depth of the belowground bud bank (root buds excluded) [cm]:
 Number of buds per shoot at the soil surface (root buds included):
 Number of buds per shoot at a depth of 0–10 cm (root buds included):
 Number of buds per shoot at a depth greater than 10 cm (root buds included):
 Size of the belowground bud bank (root buds included):
 Depth of the belowground bud bank (root buds included) [cm]:

Trophic mode

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

Karyology

Chromosome number (2n): **32**
 Ploidy level (x): **2**
 2C genome size [Mbp]: **1427.67**



1Cx monoploid genome size [Mbp]: **713.84**

Genomic GC content: **37.8 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **8 - light plant, only exceptionally occurring at less than 40% of diffuse radiation incident in an open area**

Temperature indicator value: **3 - cool indicator, occurring mainly in subalpine areas**

Moisture indicator value: **8 - transition between values 7 and 9**

Reaction indicator value: **4x - transition between values 3 and 5 (generalist)**

Nutrient indicator value: **2 - transition between values 1 and 3**

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



Habitat and sociology

Occurrence in habitats

5 Vegetation of springs and mires

5C Alpine and subalpine soft-water springs: **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 associations: [**RBC04 *Bartsia alpinae*-*Caricetum nigrae***](#)

Colonization ability

Index of colonization success (ICS): **1**

Distribution and frequency

Floristic zone: **arctic, boreal, northern temperate, southern temperate**

Floristic region: **circumpolar**

Continentality degree: **7**

Distribution range extension along the continentality gradient: **5**

Elevational belt in the Czech Republic: **subalpine belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **8**

taxon.data.freq_in_quad: **14**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0 %**

Occurrence frequency in vegetation plots with a cover above 5%: **0 %**

Occurrence frequency in vegetation plots with a cover above 25%: **0 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0 %**

Mean percentage cover in vegetation plots: **2.3 %**

Maximum percentage cover in vegetation plots: **3 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **1**

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

Number of broad habitats in which the taxon occurs: **1**

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

Threats and protection

Red List 2017 (national categories): **C1r - critically threatened taxon, rare**

Red List 2017 (IUCN categories): **EN - endangered**

Legal protection: **critically threatened taxon**