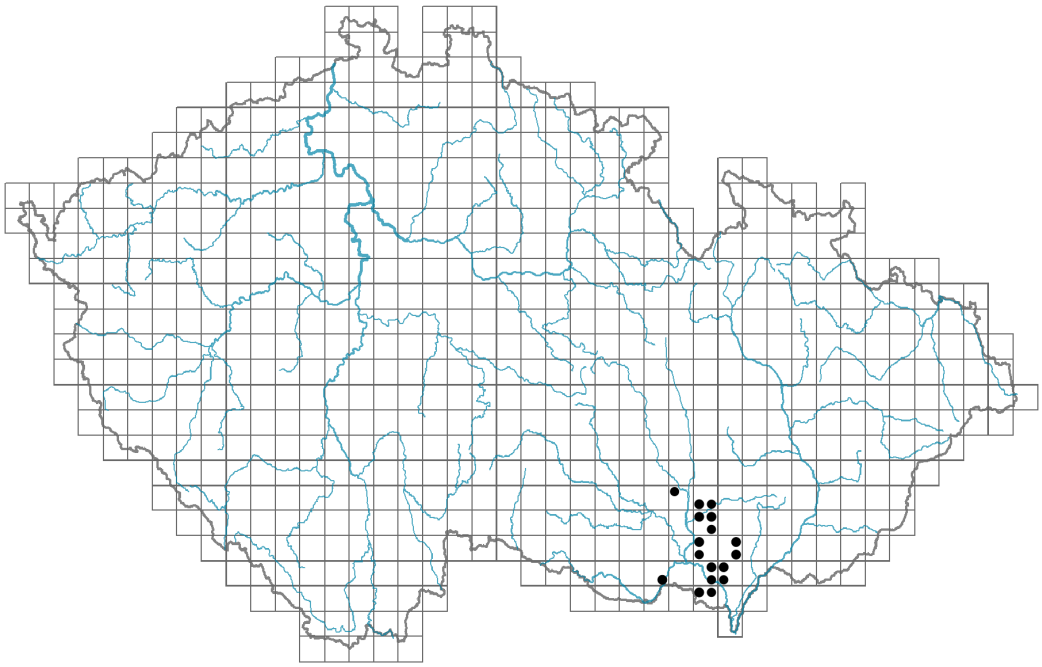
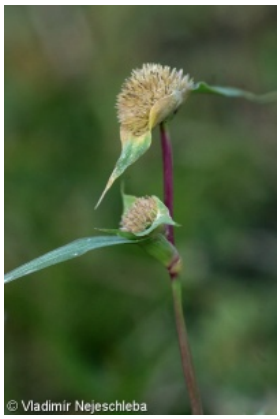
Crypsis aculeata

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]: **0.03–0.3**
Growth form: **annual herb**
Life form: **therophyte**

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]: **July–September**
Flower colour: **green**
Perianth type: **reduced**
Perianth fusion: **reduced**
Inflorescence type: **capitulum e spiculis compositum**

Fruit, seed and dispersal

Fruit type: **dry fruit – caryopsis**

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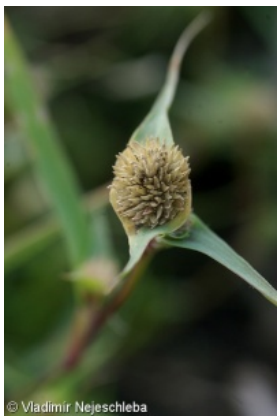
Fruit colour: **brown**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (b)**

Belowground organs and clonality

Type of clonal growth organ: **epigeogenous rhizome**
Freely dispersible organs of clonal growth: **absent**
Shoot life span (cyclicity): **monocyclic shoots prevailing**
Primary root: **absent**
Persistence of the clonal growth organ [year]: **1**
Number of clonal offspring: **6**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **15**
Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **0**
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): **15**
Depth of the belowground bud bank (root buds exluded) [cm]: **1**
Number of buds per shoot at the soil surface (root buds included): **15**
Number of buds per shoot at a depth of 0–10 cm (root buds included): **0**
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): **15**
Depth of the belowground bud bank (root buds included) [cm]: **1**



Trophic mode

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

Karyology

Chromosome number (2n): **18**
Ploidy level (x): **2**
2C genome size [Mbp]: **1399.98**
1Cx monoploid genome size [Mbp]: **699.99**
Genomic GC content: **46.6 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **9 – full light plant, occurring only in fully irradiated places, not at less than 50% of diffuse radiation incident in an open area**
Temperature indicator value: **8 – transition between values 7 and 9**

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Moisture indicator value: **7 – humidity indicator, focus on well moistened, but not wet soils**
Reaction indicator value: **7 – indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**
Nutrient indicator value: **7 – occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**
Salinity indicator value: **9 – euhaline to hypersaline, on soils with a very high and in dry periods extremely high salt content**

Habitat and sociology

Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

4B Halophilous reed and sedge beds: **1 – rare occurrence**

10 Saline vegetation

10G Continental vegetation of annual halophilous grasses: **3 – dominant**
10H Inland vegetation of succulent halophytes: **1 – rare occurrence**
10I Inland saline meadows: **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 classes: **TA *Crypsietea aculeatae***
Diagnostic taxon of alliances: **TAA *Cypero-Spergularion salinae*, TCA *Puccinellion limosae***
Diagnostic taxon of associations: **TAA01 *Crypsietum aculeatae*, TAA02 *Heleochloëtum schoenoidis*, TCA01 *Puccinellietum limosae***

Constant taxon

Constant taxon of classes: **TA *Crypsietea aculeatae***
Constant taxon of alliances: **TAA *Cypero-Spergularion salinae***
Constant taxon of associations: **TAA01 *Crypsietum aculeatae***

Dominant taxon

Dominant taxon of associations: **TAA01 *Crypsietum aculeatae***

Ecological specialization indices

Ecological specialization index for all vegetation types: **6.4**
Ecological specialization index for non-forest vegetation: **6**

Distribution and frequency

Elevational belt in the Czech Republic: **lowlands**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 9
taxon.data.freq_in_quad: 19

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0 %**
Occurrence frequency in vegetation plots with a cover above 5%: **53.3 %**

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Occurrence frequency in vegetation plots with a cover above 25%: **53.3 %**
Occurrence frequency in vegetation plots with a cover above 50%: **53.3 %**
Mean percentage cover in vegetation plots: **42.9 %**
Maximum percentage cover in vegetation plots: **88 %**

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: **2**
Number of broad habitats in which the taxon occurs: **2**
Number of broad habitats in which the taxon has its optimum: **1**

Threats and protection

Red List 2017 (national categories): **C1t – critically threatened taxon, declining**
Red List 2017 (IUCN categories): **CR – critically endangered**
Legal protection: **critically threatened taxon**

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