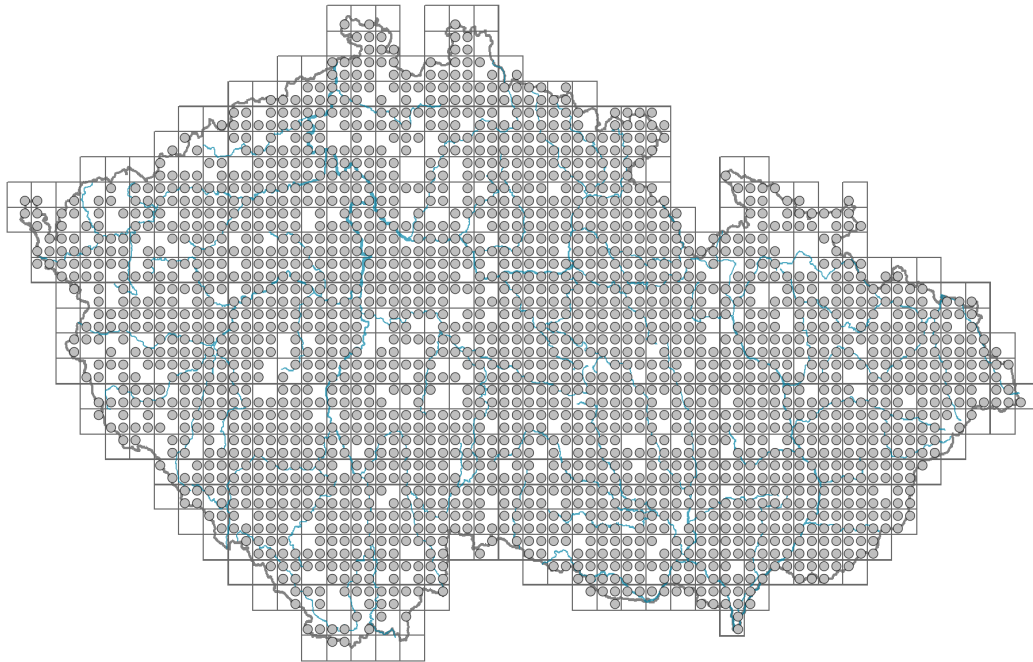


Capsella bursa-pastoris

Distribution



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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]: **0.05-0.5**

Growth form: **annual herb**

Life form: **therophyte**

Life strategy: **R - ruderal**

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

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

Life strategy (Pierce method, S-score): **0 %**

Life strategy (Pierce method, R-score): **56.6 %**

Leaf

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

Leaf arrangement (phyllotaxis): **alternate, rosulate**

Leaf shape: **simple - entire, simple - pinnately divided**

Stipules: **absent**

Petiole: **both present and absent**

Leaf life span: **overwintering green**

Leaf anatomy: **mesomorphic**

Flower

Flowering period [month]: **March-November**



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Flowering phase: **1 Corylus avellana-Leucojum vernum (pre-spring)**

Flower colour: **white**

Flower symmetry: **actinomorphic**

Perianth type: **calyx and corolla**

Perianth fusion: **free**

Calyx fusion: **aposepalous**

Inflorescence type: **racemus**

Dicliny: **synoecious, gynomonoecious, gynodioecious**

Generative reproduction type: **autogamy**

Pollination syndrome: **insect-pollination, selfing**

Fruit, seed and dispersal

Fruit type: **dry fruit - silicula**

Fruit colour: **red, brown**

Reproduction type: **only by seed/spores**

Dispersal unit (diaspore): **seed**

Dispersal strategy: **Allium (mainly autochory)**

Myrmecochory: **non-myrmecochorous (b)**

Belowground organs and clonality

Shoot life span (cyclicity): **monocyclic shoots prevailing**

Primary root: **present**

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): **1**

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): **6**

Depth of the belowground bud bank (root buds excluded) [cm]: **2**

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): **1**

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): **6**

Depth of the belowground bud bank (root buds included) [cm]: **2**

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Karyology

Chromosome number (2n): **32**

Ploidy level (x): **4**

2C genome size [Mbp]: **759.69**

1Cx monoploid genome size [Mbp]: **189.92**

Genomic GC content: **40.3 %**



Taxon origin

Origin in the Czech Republic: **archaeophyte**

Invasion status: **naturalized**

Geographic origin: **Mediterranean**

Period of introduction: **Neolithic (5600-4200 BCE)**

Introduction pathway: **unintentional - anthropogenic**

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

Moisture indicator value: **5 - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out**

Reaction indicator value: **6x - transition between values 5 and 7 (generalist)**

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: **0.16**

Herb layer disturbance frequency indicator value: **0.19**

Whole-community disturbance severity indicator value: **0.91**

Herb layer disturbance severity indicator value: **0.91**

Whole-community structure based disturbance indicator value: **0.73**

Herb layer structure-based disturbance indicator value: **0.77**

Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1C Walls: **1 - rare occurrence**

4 Wetland and riverine herbaceous vegetation

4H Vegetation of low annual hygrophilous herbs: **1 - rare occurrence**

4I Vegetation of nitrophilous annual hygrophilous herbs: **1 - rare occurrence**

4L Nitrophilous herbaceous fringes of lowland rivers: **1 - rare occurrence**

6 Meadows and mesic pastures

6A Mesic Arrhenatherum meadows: **1 - rare occurrence**

6C Pastures and park grasslands: **2 - optimum**

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

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

8 Dry grasslands

8C Narrow-leaved sub-continental steppes: **1 - rare occurrence**

8D Broad-leaved dry grasslands: **1 - rare occurrence**

8E Acidophilous dry grasslands: **1 - rare occurrence**

9 Sand grasslands and rock-outcrop vegetation



- 9B Open vegetation of acidic sands: **1 - rare occurrence**
 9C Festuca grasslands on acidic sands: **1 - rare occurrence**
 9D Pannonian sand steppes: **1 - rare occurrence**
 9E Acidophilous vegetation of spring therophytes and succulents: **1 - rare occurrence**
 9F Basiphilous vegetation of spring therophytes and succulents: **1 - rare occurrence**

12 Forests

- 12T Robinia pseudacacia plantations: **1 - rare occurrence**
 12W Pine and larch plantations: **1 - rare occurrence**

13 Anthropogenic vegetation

- 13A Annual vegetation of ruderal habitats: **2 - optimum**
 13B Annual vegetation of arable land: **2 - optimum**
 13C Annual vegetation of trampled habitats: **2 - optimum**
 13D Perennial thermophilous ruderal vegetation: **1 - rare occurrence**
 13E Perennial nitrophilous herbaceous vegetation of mesic sites: **1 - rare occurrence**
 13F Herbaceous vegetation of forests clearings and Rubus scrub: **1 - rare occurrence**

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: [XB Stellarietea mediae](#)

Diagnostic taxon of alliances: [XBA Caucalidion](#), [XBB Veronico-Euphorbion](#), [XBC Scleranthion annui](#)

Diagnostic taxon of associations: [XAB05 Lolio perennis-Matricarietum discoideae](#), [XBA05 Veronicetum hederifolio-triphylli](#), [XBC03 Erophilo vernaе-Arabidopsietum thalianae](#), [XBG10 Chamaeplietum officinalis](#)

Constant taxon

Constant taxon of classes: [XB Stellarietea mediae](#)

Constant taxon of alliances: [XBA Caucalidion](#), [XBB Veronico-Euphorbion](#), [XBC Scleranthion annui](#), [XBD Arnoseridion minimae](#), [XBE Oxalidion fontanae](#), [XBF Spergulo arvensis-Erodion cicutariae](#), [XBH Sisymbrium officinalis](#), [XBI Malvion neglectae](#)

Constant taxon of associations: [XAA02 Sclerochloo durae-Polygonetum arenastri](#), [XAB05 Lolio perennis-Matricarietum discoideae](#), [XBA02 Lathyro tuberosi-Adonidetum aestivalis](#), [XBA03 Euphorbio exiguae-Melandrietum noctiflori](#), [XBA05 Veronicetum hederifolio-triphylli](#), [XBB01 Mercurialietum annuae](#), [XBB02 Veronico-Lamietum hybridi](#), [XBC01 Aphano arvensis-Matricarietum chamomillae](#), [XBC02 Spergulo arvensis-Scleranthetum annui](#), [XBC03 Erophilo vernaе-Arabidopsietum thalianae](#), [XBD01 Sclerantho annui-Arnoseridetum minimae](#), [XBE01 Echinochloo cruris-galli-Chenopodietum polyspermi](#), [XBF01 Setario pumilae-Echinochloëtum cruris-galli](#), [XBG02 Chenopodietum urbici](#), [XBG08 Descurainietum sophiae](#), [XBG10 Chamaeplietum officinalis](#), [XBH01 Hordeetum murini](#), [XBH02 Hordeo murini-Brometum sterilis](#), [XBI01 Hyoscyamo nigri-Malvetum neglectae](#), [XBI02 Malvetum pusillae](#), [XBI03 Polygono arenastri-Chenopodietum muralis](#)

Dominant taxon

Dominant taxon of associations: [XBG10 Chamaeplietum officinalis](#)

Ecological specialization indices



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Ecological specialization index for all vegetation types: **4.9**

Ecological specialization index for non-forest vegetation: **5**

Ecological specialization index for forest vegetation: **5**

Colonization ability

Index of colonization success (ICS): **6**

Index of colonization potential (ICP): **3**

Optimum successional age [years]: **2**

Distribution and frequency

Floristic zone: **boreal, northern temperate, southern temperate, submeridional, meridional, austral or antarctic**

Floristic region: **circumpolar**

Distribution range extension along the continentality gradient: **7**

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **641**

taxon.data.freq_in_quad: 2134

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **6.5 %**

Occurrence frequency in vegetation plots with a cover above 5%: **9 %**

Occurrence frequency in vegetation plots with a cover above 25%: **0.6 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0.1 %**

Mean percentage cover in vegetation plots: **3.3 %**

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: **24**

Number of narrow habitats in which the taxon has its optimum: **4**

Number of broad habitats in which the taxon occurs: **7**

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

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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