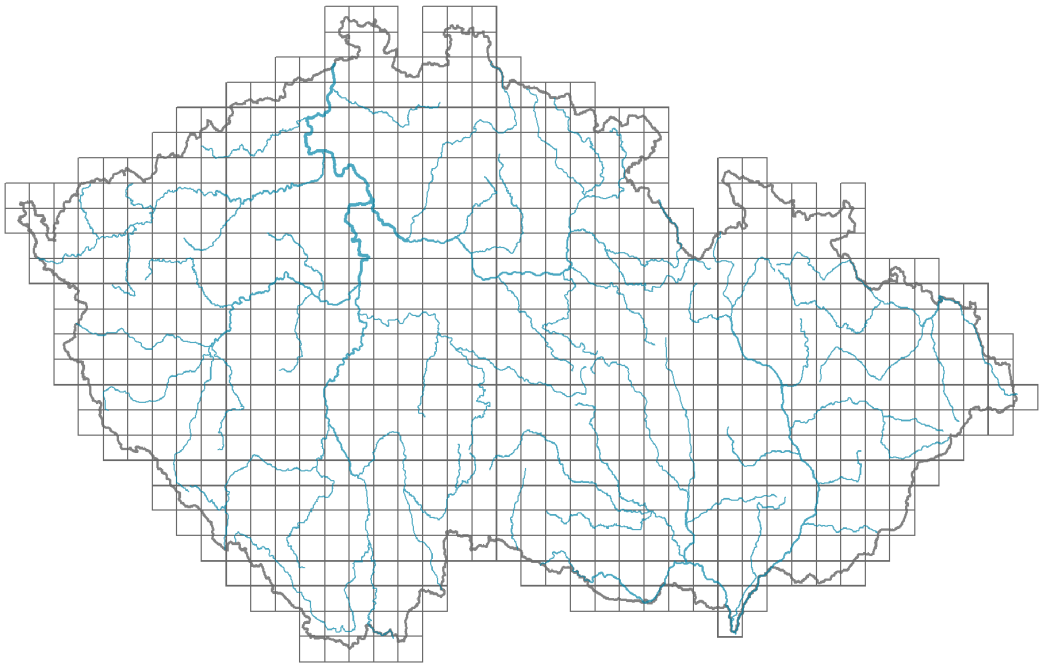
Helianthemum canum subsp. *canum*



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]: **0.05–0.2**
Growth form: **dwarf shrub**
Life form: **chamaephyte**
Life strategy: **CS – competitor/stress-tolerator**
Life strategy (Pierce method based on leaf traits): **S**
Life strategy (Pierce method, C-score): **1.4 %**
Life strategy (Pierce method, S-score): **98.6 %**
Life strategy (Pierce method, R-score): **0 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **opposite**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **present**
Leaf life span: **evergreen**
Leaf deciduousness in woody plants: **evergreen, winter deciduous**
Leaf anatomy: **scleromorphic, mesomorphic**
Functional leaf type in woody plants: **broad deciduous or semi-deciduous, sclerophyllous**

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Flower

Flowering period [month]: **May–June**
Flowering phase: **5 Sorbus aucuparia-Galium odoratum (end of mid-spring)**
Flower colour: **yellow**
Flower symmetry: **actinomorphic**
Perianth type: **calyx and corolla**
Perianth fusion: **free**
Calyx fusion: **aposepalous**
Inflorescence type: **cincinnus**
Dicliny: **synoecious**
Generative reproduction type: **allogamy self-incompatibility, facultative allogamy**
Pollination syndrome: **wind-pollination, insect-pollination**

Fruit, seed and dispersal

Fruit type: **dry fruit – capsule**
Fruit colour: **brown**
Reproduction type: **mostly by seed/spores, rarely vegetatively**
Dispersal unit (diaspore): **seed**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (b)**

Belowground organs and clonality

Shoot life span (cyclicity): **monocyclic shoots prevailing**
Branching type of stem-derived organs of clonal growth: **sympodial**
Primary root: **present**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **12**
Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **8**
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]: **3**
Number of buds per shoot at the soil surface (root buds included): **12**
Number of buds per shoot at a depth of 0–10 cm (root buds included): **8**
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]: **3**

Trophic mode

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

Karyology

Chromosome number (2n): **22**

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Ploidy level (x): **2**
2C genome size [Mbp]: **5041.04**
1Cx monoploid genome size [Mbp]: **2520.52**
Genomic GC content: **42.4 %**

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: **7 – heat indicator, occurring in relatively warm lowlands**
Moisture indicator value: **2 – transition between values 1 and 3**
Reaction indicator value: **9 – base and lime indicator, always occurring in calcium-rich conditions**
Nutrient indicator value: **1 – occurring at nutrient-poorest sites**
Salinity indicator value: **0 – not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.39**
Herb layer disturbance frequency indicator value: **-0.39**
Whole-community disturbance severity indicator value: **0.2**
Herb layer disturbance severity indicator value: **0.23**
Whole-community structure based disturbance indicator value: **0.53**
Herb layer structure-based disturbance indicator value: **0.57**

Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **1 – rare occurrence**
1D Mobile calcareous screes: **1 – rare occurrence**

8 Dry grasslands

8A Hercynian dry grasslands on rock outcrops: **2 – optimum**
8B Submediterranean dry grasslands on rock outcrops: **2 – optimum**
8C Narrow-leaved sub-continental steppes: **1 – rare occurrence**
8D Broad-leaved dry grasslands: **1 – rare occurrence**

9 Sand grasslands and rock-outcrop vegetation

9F Basiphilous vegetation of spring therophytes and succulents: **1 – rare occurrence**

11 Heathlands and scrub

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

12 Forests

12H Peri-Alpidic basiphilous thermophilous oak forests: **1 – rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **0 – taxon that does not**

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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: **THC *Diantho lumnitzeri-Seslerion***
Diagnostic taxon of associations: **THC01 *Carici humilis-Seslerietum caeruleae*, THE02 *Cirsio pannonici-Seslerietum caeruleae***

Constant taxon

Constant taxon of associations: **THC01 *Carici humilis-Seslerietum caeruleae***

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.5**
Ecological specialization index for non-forest vegetation: **5.5**

Colonization ability

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

Distribution and frequency

Floristic zone: **northern temperate, southern temperate, submeridional, meridional**
Floristic region: **Europe**
Continentality degree: **5**
Distribution range extension along the continentality gradient: **4**
Elevational belt in the Czech Republic: **colline belt**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 20
taxon.data.freq_in_quad: 26

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.2 %**
Occurrence frequency in vegetation plots with a cover above 5%: **30.2 %**
Occurrence frequency in vegetation plots with a cover above 25%: **3.8 %**
Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **6.7 %**
Maximum percentage cover in vegetation plots: **42 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **9**
Number of narrow habitats in which the taxon has its optimum: **2**
Number of broad habitats in which the taxon occurs: **5**
Number of broad habitats in which the taxon has its optimum: **1**

Threats and protection

Red List 2017 (national categories): **C2r – endangered taxon, rare**
Red List 2017 (IUCN categories): **VU – vulnerable**
Legal protection: **not protected by law**

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