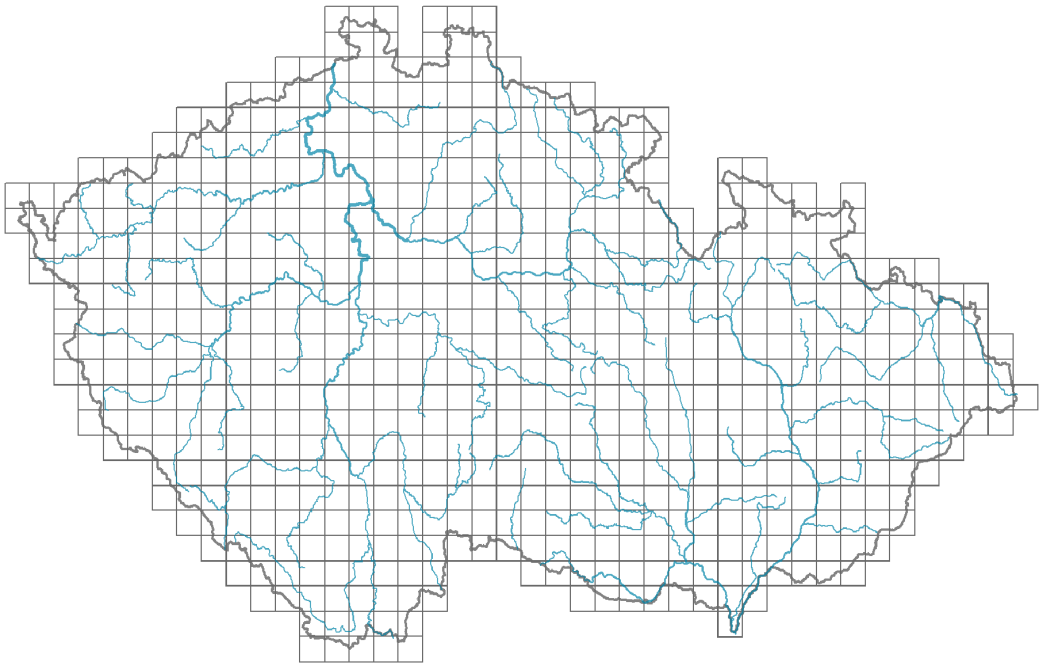
# *Galium valdepilosum* subsp. *valdepilosum*

## 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]: **0.1–0.3**
Life form: **hemicryptophyte**
Life strategy: **CSR – competitor/stress-tolerator/ruderal**

### Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **verticillate**
Leaf shape: **simple – entire**
Stipules: **present**
Petiole: **absent**
Leaf life span: **summer green**

### Flower

Flower colour: **white**
Flower symmetry: **actinomorphic**
Perianth type: **calyx absent, corolla present**
Perianth fusion: **fused**
Shape of the sympetalous corolla or syntepalous perianth: **rotate**
Inflorescence type: **panicula e dichasiis composita**
Dicliny: **synoecious**

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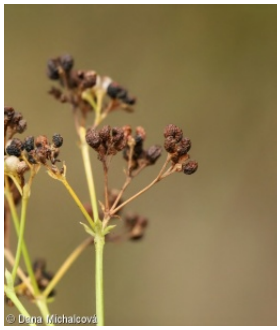
Pollination syndrome: **insect-pollination, selfing**



## Fruit, seed and dispersal

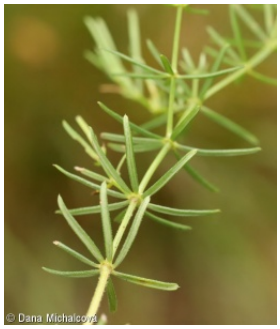
Fruit type: **dry fruit – pair of nutlets**
Fruit colour: **brown**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (b)**

## Belowground organs and clonality

Shoot metamorphosis: **stolon, pleiocorm**
Storage organ: **stolon, pleiocorm**

## Trophic mode

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



## Karyology

Chromosome number (2n): **22, 44**
Ploidy level (x): **2, 4**
2C genome size [Mbp]: **867.73**
1Cx monoploid genome size [Mbp]: **433.86**
Genomic GC content: **41.2 %**

## Taxon origin

Origin in the Czech Republic: **native**

## Ecological indicator values

### Ellenberg-type indicator values

Light indicator value: **6 – transition between values 5 and 7; rarely at less than 20% of diffuse radiation incident in an open area**
Temperature indicator value: **6 – transition between values 5 and 7**
Moisture indicator value: **4 – transition between values 3 and 5**
Reaction indicator value: **5 – indicator of moderate acidity, occurring rarely in strongly acidic as well as in neutral to alkaline conditions**
Nutrient indicator value: **3 – occurring at nutrient-poor sites more frequently than at average sites and exceptionally at rich sites**
Salinity indicator value: **0 – not salt tolerant, glycophyte**

## Habitat and sociology

### Occurrence in habitats

### 1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **1 – rare occurrence**

1B Siliceous cliffs and block fields: **1 – rare occurrence**

1D Mobile calcareous screes: **1 – rare occurrence**

### 6 Meadows and mesic pastures

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

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

8E Acidophilous dry grasslands: **2 – optimum**

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

### 12 Forests

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

12J Acidophilous thermophilous oak forests: **1 – rare occurrence**

12K Acidophilous oak forests: **1 – rare occurrence**

12L Boreo-continental pine forests: **1 – rare occurrence**

12O Peri-Alpidic pine forests: **1 – rare occurrence**

### Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.2 – taxon occurring partly in the forest, but mainly in open vegetation**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.2 – taxon occurring partly in the forest, but mainly in open vegetation**

### Diagnostic taxon

Diagnostic taxon of associations: **THA04 *Helichryso arenarii-Festucetum pallentis***

### Constant taxon

Constant taxon of associations: **THA04 *Helichryso arenarii-Festucetum pallentis***

### Colonization ability

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

## Distribution and frequency

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

Floristic region: **Europe**

Continentality degree: **5**

Distribution range extension along the continentality gradient: **1**

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 69

taxon.data.freq_in_quad: 113

### Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **15**

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

Number of broad habitats in which the taxon occurs: **4**

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

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## Threats and protection

Red List 2017 (national categories): **C3 – vulnerable taxon**
Red List 2017 (IUCN categories): **LC – least concern**
Legal protection: **not protected by law**

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