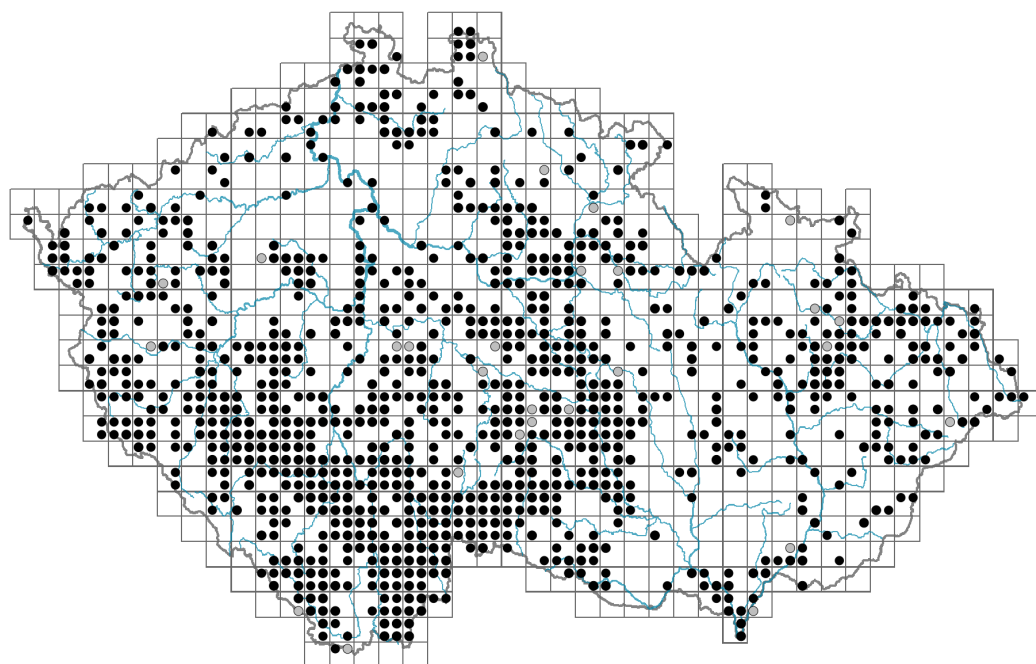


Peplis portula

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]: **0.01-0.05**

Growth form: **annual herb**

Life form: **therophyte**

Life strategy: **R - ruderal**

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

Life strategy (Pierce method, C-score): **0.7 %**

Life strategy (Pierce method, S-score): **54.1 %**

Life strategy (Pierce method, R-score): **45.2 %**

Leaf

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

Leaf arrangement (phyllotaxis): **opposite**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

Leaf life span: **summer green**

Leaf anatomy: **helomorphic**

Flower

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

Flower colour: **pink**
Perianth type: **calyx present, corolla sometimes absent**
Perianth fusion: **reduced**
Calyx fusion: **hypanthium**
Inflorescence type: **flores solitarii**
Dicliny: **synoecious**
Generative reproduction type: **autogamy**
Pollination syndrome: **selfing, pseudocleistogamy**

Fruit, seed and dispersal

Fruit type: **dry fruit - capsule**
Fruit colour: **red, brown**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **seed**
Dispersal strategy: **Sparganium (mainly autochory and hydrochory)**
Myrmecochory: **non-myrmecochorous (b)**

Belowground organs and clonality

Shoot life span (cyclicality): **monocyclic shoots prevailing**
Primary root: **absent**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **8**
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): **8**
Depth of the belowground bud bank (root buds excluded) [cm]: **1**
Number of buds per shoot at the soil surface (root buds included): **8**
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): **8**
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): **10**
Ploidy level (x): **2**
2C genome size [Mbp]: **482.78**
1Cx monoploid genome size [Mbp]: **241.39**
Genomic GC content: **42.4 %**

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: **6 - transition between values 5 and 7**

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

Reaction indicator value: **4 - transition between values 3 and 5**

Nutrient indicator value: **5 - occurring at moderately nutrient-rich sites, and less frequently at poor and rich sites**

Salinity indicator value: **1 - salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.35**

Herb layer disturbance frequency indicator value: **-0.35**

Whole-community disturbance severity indicator value: **0.48**

Herb layer disturbance severity indicator value: **0.48**

Whole-community structure based disturbance indicator value: **0.69**

Herb layer structure-based disturbance indicator value: **0.72**

Habitat and sociology

Occurrence in habitats

3 Aquatic vegetation

3C Macrophytic vegetation of oligotrophic lakes and pools: **2 - optimum**

4 Wetland and riverine herbaceous vegetation

4C Eutrophic vegetation of muddy substrata: **1 - rare occurrence**

4E Reed vegetation of brooks: **1 - rare occurrence**

4G Tall-sedge beds: **1 - rare occurrence**

4H Vegetation of low annual hygrophilous herbs: **2 - optimum**

4I Vegetation of nitrophilous annual hygrophilous herbs: **2 - optimum**

6 Meadows and mesic pastures

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

10 Saline vegetation

10I Inland saline meadows: **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: [MA Isoëto-Nano-Juncetea](#), [VD Littorelletea uniflorae](#)

Diagnostic taxon of alliances: [MAA Eleocharition ovatae](#), [MAB Radiolion linoidis](#), [VDB Eleocharition acicularis](#)

Diagnostic taxon of associations: [MAA01 *Polygono-Eleocharitetum ovatae*](#), [MAA02 *Cyperetum micheliani*](#), [MAA03 *Stellario uliginosae-Isolepidetum setaceae*](#), [MAB02 *Junco tenageiae-Radioletum linoidis*](#), [MAC03 *Pulicario vulgaris-Menthetum pulegii*](#)

Constant taxon

Constant taxon of alliances: [MAB *Radiolion linoidis*](#)

Constant taxon of associations: [MAB02 *Junco tenageiae-Radioletum linoidis*](#)

Dominant taxon

Dominant taxon of associations: [MAB02 *Junco tenageiae-Radioletum linoidis*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.7**

Ecological specialization index for non-forest vegetation: **5.7**

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**

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

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: **477**

taxon.data.freq_in_quad: 1020

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.7 %**

Occurrence frequency in vegetation plots with a cover above 5%: **19.4 %**

Occurrence frequency in vegetation plots with a cover above 25%: **5.1 %**

Occurrence frequency in vegetation plots with a cover above 50%: **2.6 %**

Mean percentage cover in vegetation plots: **6.3 %**

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: **8**

Number of narrow habitats in which the taxon has its optimum: **3**

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

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**