Melampyrum sylvaticum

Habitus and growth type

Plant height [m]: **0.28**
Life span: **Annual**
Life form: **Therophyte**

Leaf

Specific leaf area [mm^2/mg]: **41.4**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **7.38**
Dispersal mode: **Myrmecochory**
Dispersal distance class: **3**

Trophic mode

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

Taxon origin

Origin in Europe: **Native**

Ecology

Environmental relationships

Substrate humidity relationship: **Mesic**
Substrate reaction relationship: **Acidic**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **4.5**
Temperature indicator value: **3.7**
Moisture indicator value: **5.2**
Reaction indicator value: **2**
Nutrient indicator value: **2**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.07**

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Disturbance frequency (herb layer): **1.2**
Disturbance severity: **0.65**
Disturbance severity (herb layer): **0.13**
Mowing frequency: **0.02**
Grazing pressure: **0.2**
Soil disturbance: **0.1**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **BA (PIC) *Vaccinio-Piceetea*, CL (GER) *Trifolio-Geranietea sanguinei***

EUNIS habitat

Diagnostic species of EUNIS habitats: **T31 Temperate mountain Picea forest, T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest, T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest, U35 Boreal and Arctic base-rich inland cliff**

Constant species of EUNIS habitats: **T1C Temperate and boreal mountain Betula and Populus tremula forest on mineral soils, T31 Temperate mountain Picea forest, T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest, T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest, T3F Dark taiga, U25 Boreal and Arctic base-rich scree and block field, U35 Boreal and Arctic base-rich inland cliff**

Broad habitat

Occurrence in broad habitats: **Mire, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Heathland, Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality amplitude: **5**

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