

Melampyrum sylvaticum

Habitus and growth type

Plant height [m]: **0.28**

Life span: **Annual**

Life form: **Therophyte**

Leaf

Specific leaf area [mm²/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**

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**