Melampyrum pratense

Habitus and growth type

Plant height [m]: **0.25**
Life span: **Annual**
Life form: **Therophyte**

Leaf

Specific leaf area [mm^2/mg]: **26.29**

Flower

Flowering period: **May-September**

Fruit, seed and dispersal

Seed mass [mg]: **5.65**
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

Moisture indicator value: **5.1**
Reaction indicator value: **3**
Nutrient indicator value: **2.2**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.1**
Disturbance frequency (herb layer): **1.3**
Disturbance severity: **0.66**

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Disturbance severity (herb layer): **0.14**
Mowing frequency: **0.03**
Grazing pressure: **0.2**
Soil disturbance: **0.14**

Habitat and sociology

Syntaxon

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

EUNIS habitat

Diagnostic species of EUNIS habitats: **N1F Baltic coniferous coastal dune forest, R52 Forest fringe of acidic nutrient-poor soils, T1B Acidophilous Quercus forest, T35 Temperate continental Pinus sylvestris forest, T3F Dark taiga, T3G Pinus sylvestris light taiga**

Constant species of EUNIS habitats: **N1F Baltic coniferous coastal dune forest, R52 Forest fringe of acidic nutrient-poor soils, T1B Acidophilous Quercus forest, T1C Temperate and boreal mountain Betula and Populus tremula forest on mineral soils, T35 Temperate continental Pinus sylvestris forest, T3F Dark taiga, T3G Pinus sylvestris light taiga, T3H Larix light taiga, T3J Pinus and Larix mire forest, T3K Picea mire forest, U25 Boreal and Arctic base-rich scree and block field**

Dominant species of EUNIS habitats: **R52 Forest fringe of acidic nutrient-poor soils**

Broad habitat

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

Distribution

Continentality amplitude: **6**

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