

Melampyrum cristatum

Habitus and growth type

Plant height [m]: **0.28**

Life span: **Annual**

Life form: **Therophyte**

Leaf

Specific leaf area [mm²/mg]: **25.57**

Flower

Flowering period: **April-July**

Fruit, seed and dispersal

Seed mass [mg]: **5.24**

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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.4**

Moisture indicator value: **3.6**

Reaction indicator value: **7.8**

Nutrient indicator value: **2.7**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.32**

Disturbance frequency (herb layer): **1.51**

Disturbance severity: **0.58**

Disturbance severity (herb layer): **0.3**

Mowing frequency: **0.27**

Grazing pressure: **0.25**

Soil disturbance: **0.11**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [CB \(PUB\) Quercetea pubescentis](#), [CL \(GER\) Trifolio-Geranietea sanguinei](#)

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Forest**

Distribution

Continentality: **6**

Continentality amplitude: **5**