

# *Melampyrum barbatum*

## Habitus and growth type

Plant height [m]: **0.29**

Life span: **Annual**

Life form: **Therophyte**

## Flower

Flowering period: **April-July**

## Fruit, seed and dispersal

Seed mass [mg]: **12.31**

Dispersal mode: **Myrmecochory, Anthropochory**

Dispersal distance class: **3, 7**

## 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: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.5**

Temperature indicator value: **7**

Moisture indicator value: **3.5**

Reaction indicator value: **7.5**

Nutrient indicator value: **4.5**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.08**

Disturbance frequency (herb layer): **1.86**

Disturbance severity: **0.56**

Disturbance severity (herb layer): **0.51**

Mowing frequency: **0.58**

Grazing pressure: **0.28**

Soil disturbance: **0.25**

### **Habitat and sociology**

Broad habitat

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