

# *Prenanthes purpurea*

## Habitus and growth type

Plant height [m]: **0.95**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **65.86**

## Flower

Flowering period: **May-August**

## Fruit, seed and dispersal

Seed mass [mg]: **0.93**

Dispersal mode: **Myrmecochory**

Dispersal distance class: **3**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

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: **Slightly acidic to near-neutral**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **4.2**

Temperature indicator value: **4.3**

Moisture indicator value: **5.3**

Reaction indicator value: **5**

Nutrient indicator value: **5.2**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.02**

Disturbance frequency (herb layer): **1.27**  
Disturbance severity: **0.69**  
Disturbance severity (herb layer): **0.12**  
Mowing frequency: **0**  
Grazing pressure: **0.19**  
Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CA \(FAG\) \*Carpino-Fagetea sylvaticae\*](#),  
[CS \(MUL\) \*Mulgedio-Aconitetea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T17 Fagus forest on non-acid soils](#), [T18 Fagus forest on acid soils](#), [T31 Temperate mountain Picea forest](#), [T32 Temperate mountain Abies forest](#)

Constant species of EUNIS habitats: [T17 Fagus forest on non-acid soils](#), [T18 Fagus forest on acid soils](#), [T1F Ravine forest](#), [T31 Temperate mountain Picea forest](#), [T32 Temperate mountain Abies forest](#), [T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest](#), [T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest](#)

### Broad habitat

Occurrence in broad habitats: **Alpine-subalpine and arctic grassland, Scrub, Forest, Synanthropic**

## Distribution

Continentality: **5**  
Continentality amplitude: **3**