

# ***Bartsia alpina***

## **Habitus and growth type**

Plant height [m]: **0.12**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## **Leaf**

Specific leaf area [mm<sup>2</sup>/mg]: **17.33**

## **Flower**

Flowering period: **May-August**

## **Fruit, seed and dispersal**

Seed mass [mg]: **0.27**

Dispersal mode: **Local non-specific dispersal**

Dispersal distance class: **1**

## **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: **Wet**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### **Ellenberg-type indicator values**

Light indicator value: **8.3**

Temperature indicator value: **2.8**

Moisture indicator value: **7.5**

Reaction indicator value: **7**

Nutrient indicator value: **2.5**

Salinity indicator value: **0**

### **Disturbance indicator values**

Disturbance frequency: **1.03**

Disturbance frequency (herb layer): **1.18**

Disturbance severity: **0.27**

Disturbance severity (herb layer): **0.24**

Mowing frequency: **0.08**

Grazing pressure: **0.2**

Soil disturbance: **0.09**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CU \(SES\) \*Elyno-Seslerietea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [Q45 Arctic-alpine rich fen](#), [S21 Subarctic and alpine dwarf \*Salix\* scrub](#), [U25 Boreal and Arctic base-rich scree and block field](#)

Constant species of EUNIS habitats: [Q41 Alkaline, calcareous, carbonate-rich small-sedge spring fen](#), [Q45 Arctic-alpine rich fen](#), [R44 Arctic-alpine calcareous grassland](#), [S21 Subarctic and alpine dwarf \*Salix\* scrub](#), [S22 Alpine and subalpine ericoid heath](#), [U25 Boreal and Arctic base-rich scree and block field](#), [U35 Boreal and Arctic base-rich inland cliff](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **5**