

# *Astragalus alpinus*

## Habitus and growth type

Plant height [m]: **0.1**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **22.36**

## Flower

Flowering period: **June-August**

## Fruit, seed and dispersal

Seed mass [mg]: **5.51**

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

Dispersal distance class: **1**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **symbiosis with rhizobia**

## Taxon origin

Origin in Europe: **native**

## Ecology

### Environmental relationships

Substrate humidity relationship: **Dry**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **9**

Temperature indicator value: **1.8**

Moisture indicator value: **4**

Reaction indicator value: **5.8**

Nutrient indicator value: **2**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.35**

Disturbance frequency (herb layer): **1.56**  
Disturbance severity: **0.32**  
Disturbance severity (herb layer): **0.29**  
Mowing frequency: **0.03**  
Grazing pressure: **0.25**  
Soil disturbance: **0.13**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [AB \(KOB\) \*Carici rupestris-Kobresietea bellardii\*](#), [CU \(SES\) \*Elyno-Seslerietea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [U21 Boreal and Arctic siliceous scree and block field](#)

Constant species of EUNIS habitats: [U21 Boreal and Arctic siliceous scree and block field](#)

### Broad habitat

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

## Distribution

Continentality: **6**  
Continentality amplitude: **6**