Silene acaulis

Habitus and growth type

Plant height [m]: **0.03**
Life span: **Perennial**
Life form: **Chamaephyte, Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **18.95**

Flower

Flowering period: **June-August**

Fruit, seed and dispersal

Seed mass [mg]: **0.31**
Dispersal mode: **Local non-specific dispersal**
Dispersal distance class: **1**

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: **Alkaline**
Nutrient relationship: **Dystrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.8**
Temperature indicator value: **1.2**
Moisture indicator value: **4.3**
Nutrient indicator value: **1**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.41**
Disturbance frequency (herb layer): **1.44**

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Disturbance severity: **0.27**
Disturbance severity (herb layer): **0.27**
Mowing frequency: **0.01**
Grazing pressure: **0.23**
Soil disturbance: **0.11**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: **R41 Snow-bed vegetation**, **R44 Arctic-alpine calcareous grassland**, **S21 Subarctic and alpine dwarf Salix scrub**, **U35 Boreal and Arctic base-rich inland cliff**
Constant species of EUNIS habitats: **R41 Snow-bed vegetation**, **R42 Boreal and Arctic acidophilous alpine grassland**, **R43 Temperate acidophilous alpine grassland**, **R44 Arctic-alpine calcareous grassland**, **S21 Subarctic and alpine dwarf Salix scrub**, **S22 Alpine and subalpine ericoid heath**, **U22 Temperate high-mountain siliceous scree**, **U25 Boreal and Arctic base-rich scree and block field**, **U26 Temperate high-mountain base-rich scree and moraine**, **U32 Temperate high-mountain siliceous inland cliff**, **U35 Boreal and Arctic base-rich inland cliff**, **U36 Temperate high-mountain base-rich inland cliff**, **U52 Polar desert**, **U61 Subarctic volcanic field**

Broad habitat

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

Distribution

Continentality amplitude: **7**

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