

Silene acaulis

Habitus and growth type

Plant height [m]: **0.03**

Life span: **Perennial**

Life form: **Chamaephyte, Hemicryptophyte**

Leaf

Specific leaf area [mm²/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**

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