

Carlina acaulis

Habitus and growth type

Plant height [m]: **0.23**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **10.56**

Flower

Flowering period: **May-September**

Fruit, seed and dispersal

Seed mass [mg]: **3.75**

Dispersal mode: **Anemochory**

Dispersal distance class: **5**

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: **Dry**

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

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.2**

Moisture indicator value: **4**

Nutrient indicator value: **2.4**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.06**

Disturbance frequency (herb layer): **1.68**

Disturbance severity: **0.47**

Disturbance severity (herb layer): **0.42**

Mowing frequency: **0.49**

Grazing pressure: **0.27**

Soil disturbance: **0.17**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [R23 Mountain hay meadow](#), [S24 Subalpine genistoid scrub of the Amphi-Adriatic region](#), [T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest](#)

Constant species of EUNIS habitats: [R1A Semi-dry perennial calcareous grassland \(meadow steppe\)](#), [R23 Mountain hay meadow](#), [R44 Arctic-alpine calcareous grassland](#), [S24 Subalpine genistoid scrub of the Amphi-Adriatic region](#), [T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest](#)

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Heathland, Scrub, Forest**