

# *Gentiana asclepiadea*

## Habitus and growth type

Plant height [m]: **0.43**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **23.29**

## Flower

Flowering period: **July-September**

## Fruit, seed and dispersal

Seed mass [mg]: **0.14**

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

Dispersal distance class: **2**

## 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: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **6.4**

Temperature indicator value: **4.1**

Moisture indicator value: **6.1**

Reaction indicator value: **6.7**

Nutrient indicator value: **3**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.11**

Disturbance frequency (herb layer): **1.23**  
Disturbance severity: **0.63**  
Disturbance severity (herb layer): **0.16**  
Mowing frequency: **0.05**  
Grazing pressure: **0.19**  
Soil disturbance: **0.11**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CM \(MOL\) \*Molinio-Arrhenatheretea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T31 Temperate mountain Picea forest](#)

Constant species of EUNIS habitats: [S25 Subalpine and subarctic deciduous scrub](#),  
[T31 Temperate mountain Picea forest](#)

### Broad habitat

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

## Distribution

Continentality: **5**  
Continentality amplitude: **3**