Gentiana verna

Habitus and growth type

Plant height [m]: **0.07**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **16.71**

Flower

Flowering period: **March-June**

Fruit, seed and dispersal

Seed mass [mg]: **0.09**
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 reaction relationship: **Alkaline**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8**
Temperature indicator value: **3.6**
Reaction indicator value: **7.1**
Nutrient indicator value: **1.9**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.39**
Disturbance frequency (herb layer): **1.61**
Disturbance severity: **0.34**

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Disturbance severity (herb layer): **0.33**
Mowing frequency: **0.14**
Grazing pressure: **0.28**
Soil disturbance: **0.12**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: **R44 Arctic-alpine calcareous grassland**, **R45 Alpine and subalpine calcareous grassland of the Balkans and Apennines**, **S21 Subarctic and alpine dwarf Salix scrub**
Constant species of EUNIS habitats: **R44 Arctic-alpine calcareous grassland**, **R45 Alpine and subalpine calcareous grassland of the Balkans and Apennines**, **S21 Subarctic and alpine dwarf Salix scrub**

Broad habitat

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

Distribution

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

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