

Gentiana verna

Habitus and growth type

Plant height [m]: **0.07**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/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**

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: [R45 Alpine and subalpine calcareous grassland of the Balkans and Apennines](#)

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**