

Gentiana cruciata

Habitus and growth type

Plant height [m]: **0.32**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **0.13**

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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.1**

Temperature indicator value: **5.4**

Moisture indicator value: **3.8**

Reaction indicator value: **7.3**

Nutrient indicator value: **3**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.12**

Disturbance frequency (herb layer): **1.74**

Disturbance severity: **0.5**

Disturbance severity (herb layer): **0.45**

Mowing frequency: **0.7**

Grazing pressure: **0.27**

Soil disturbance: **0.16**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [DA \(FES\) Festuco-Brometea](#)

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality: **6**

Continentality amplitude: **5**