Gentiana lutea

Habitus and growth type

Plant height [m]: **0.82**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **14.59**

Flower

Flowering period: **May-July**

Fruit, seed and dispersal

Seed mass [mg]: **1.13**
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: **Acidic**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.6**
Temperature indicator value: **3.3**
Moisture indicator value: **5.1**
Reaction indicator value: **3.8**
Nutrient indicator value: **2**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.66**

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Disturbance frequency (herb layer): **1.46**
Disturbance severity: **0.48**
Disturbance severity (herb layer): **0.34**
Mowing frequency: **0.26**
Grazing pressure: **0.26**
Soil disturbance: **0.14**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: **R23 Mountain hay meadow**
Constant species of EUNIS habitats: **R23 Mountain hay meadow**

Broad habitat

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

Distribution

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

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