Trollius europaeus

Habitus and growth type

Plant height [m]: **0.41**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **22.59**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **0.96**
Dispersal mode: **Myrmecochory, Anthropochory**
Dispersal distance class: **3, 7**

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: **Wet**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8**
Temperature indicator value: **3.3**
Moisture indicator value: **7.1**
Reaction indicator value: **6.1**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.75**
Disturbance frequency (herb layer): **1.51**

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Disturbance severity: **0.5**
Disturbance severity (herb layer): **0.39**
Mowing frequency: **0.43**
Grazing pressure: **0.2**
Soil disturbance: **0.16**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **BC (BRA) *Brachypodio pinnati-Betuletea pendulae*, CM (MOL) *Molinio-Arrhenatheretea***

EUNIS habitat

Diagnostic species of EUNIS habitats: **R23 Mountain hay meadow, U25 Boreal and Arctic base-rich scree and block field**

Constant species of EUNIS habitats: **R23 Mountain hay meadow, T3H Larix light taiga, U25 Boreal and Arctic base-rich scree and block field**

Broad habitat

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

Distribution

Continentality: **5**
Continentality amplitude: **4**

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