

Trollius europaeus

Habitus and growth type

Plant height [m]: **0.41**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/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**

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**