

Primula elatior

Habitus and growth type

Plant height [m]: **0.16**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **33.38**

Flower

Flowering period: **February-June**

Fruit, seed and dispersal

Seed mass [mg]: **0.77**

Dispersal mode: **Myrmecochory**

Dispersal distance class: **3**

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: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Temperature indicator value: **4.9**

Moisture indicator value: **5.8**

Reaction indicator value: **7.3**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.2**

Disturbance frequency (herb layer): **1.33**

Disturbance severity: **0.63**

Disturbance severity (herb layer): **0.25**

Mowing frequency: **0.1**

Grazing pressure: **0.19**

Soil disturbance: **0.12**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [R23 Mountain hay meadow](#), [T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils](#)

Constant species of EUNIS habitats: [R23 Mountain hay meadow](#), [R56 Montane to subalpine moist or wet tall-herb and fern fringe](#), [S25 Subalpine and subarctic deciduous scrub](#), [T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils](#), [T1F Ravine forest](#)

Broad habitat

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

Distribution

Continentality: **5**

Continentality amplitude: **4**