

Luzula pilosa

Habitus and growth type

Plant height [m]: **0.23**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **25.1**

Flower

Flowering period: **April-July**

Fruit, seed and dispersal

Seed mass [mg]: **0.91**

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: **Slightly acidic to near-neutral**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **3.1**

Temperature indicator value: **4.8**

Moisture indicator value: **5.2**

Reaction indicator value: **4.7**

Nutrient indicator value: **3.9**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.05**

Disturbance frequency (herb layer): **1.33**
Disturbance severity: **0.69**
Disturbance severity (herb layer): **0.12**
Mowing frequency: **0.01**
Grazing pressure: **0.2**
Soil disturbance: **0.13**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [BC \(BRA\) *Brachypodio pinnati-Betuletea pendulae*](#), [CA \(FAG\) *Carpino-Fagetea sylvaticae*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [T35 Temperate continental *Pinus sylvestris* forest](#), [T3F Dark taiga](#), [T3G *Pinus sylvestris* light taiga](#), [T3H *Larix* light taiga](#), [U35 Boreal and Arctic base-rich inland cliff](#)

Constant species of EUNIS habitats: [N1F Baltic coniferous coastal dune forest](#), [R52 Forest fringe of acidic nutrient-poor soils](#), [T18 *Fagus* forest on acid soils](#), [T1C Temperate and boreal mountain *Betula* and *Populus tremula* forest on mineral soils](#), [T1E *Carpinus* and *Quercus* mesic deciduous forest](#), [T31 Temperate mountain *Picea* forest](#), [T32 Temperate mountain *Abies* forest](#), [T35 Temperate continental *Pinus sylvestris* forest](#), [T3F Dark taiga](#), [T3G *Pinus sylvestris* light taiga](#), [T3H *Larix* light taiga](#), [T3K *Picea* mire forest](#), [U21 Boreal and Arctic siliceous scree and block field](#), [U35 Boreal and Arctic base-rich inland cliff](#)

Broad habitat

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

Distribution

Continentality amplitude: **6**