# *Luzula pilosa*

## Habitus and growth type

Plant height [m]: **0.23**
Life span: **Perennial**
Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [$mm^2$/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**

*© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz*

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**

*© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz*