

# *Calamagrostis villosa*

## Habitus and growth type

Plant height [m]: **0.65**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **24.91**

## Flower

Flowering period: **July-August**

## Fruit, seed and dispersal

Seed mass [mg]: **0.23**

Dispersal mode: **Local non-specific dispersal**

Dispersal distance class: **2**

## 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: **Acidic**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **5.9**

Temperature indicator value: **3.7**

Moisture indicator value: **6.6**

Reaction indicator value: **2.3**

Nutrient indicator value: **3**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.13**

Disturbance frequency (herb layer): **0.98**  
Disturbance severity: **0.59**  
Disturbance severity (herb layer): **0.15**  
Mowing frequency: **0.03**  
Grazing pressure: **0.19**  
Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CS \(MUL\) \*Mulgedio-Aconitetea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [S25 Subalpine and subarctic deciduous scrub](#), [S26 Subalpine \*Pinus mugo\* scrub](#), [T31 Temperate mountain \*Picea\* forest](#), [T34 Temperate subalpine \*Larix\*, \*Pinus cembra\* and \*Pinus uncinata\* forest](#), [T3K \*Picea mire\* forest](#)

Constant species of EUNIS habitats: [R56 Montane to subalpine moist or wet tall-herb and fern fringe](#), [S25 Subalpine and subarctic deciduous scrub](#), [S26 Subalpine \*Pinus mugo\* scrub](#), [T31 Temperate mountain \*Picea\* forest](#), [T34 Temperate subalpine \*Larix\*, \*Pinus cembra\* and \*Pinus uncinata\* forest](#), [T3K \*Picea mire\* forest](#)

Dominant species of EUNIS habitats: [S26 Subalpine \*Pinus mugo\* scrub](#), [T31 Temperate mountain \*Picea\* forest](#), [T34 Temperate subalpine \*Larix\*, \*Pinus cembra\* and \*Pinus uncinata\* forest](#), [T3K \*Picea mire\* forest](#)

### Broad habitat

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

## Distribution

Continentality: **5**  
Continentality amplitude: **1**