

Calamagrostis varia

Habitus and growth type

Plant height [m]: **0.78**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **1.88**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **0.11**

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: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.8**

Temperature indicator value: **3.6**

Moisture indicator value: **5.2**

Reaction indicator value: **7.9**

Nutrient indicator value: **3.1**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.15**

Disturbance frequency (herb layer): **1.15**
Disturbance severity: **0.6**
Disturbance severity (herb layer): **0.17**
Mowing frequency: **0.04**
Grazing pressure: **0.2**
Soil disturbance: **0.1**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [CO \(ERI\) *Erico-Pinetea*](#), [CQ \(RHO\) *Rhododendro hirsuti-Ericetea carneae*](#), [CU \(SES\) *Elyno-Seslerietea*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [S24 Subalpine genistoid scrub of the Amphi-Adriatic region](#), [S26 Subalpine *Pinus mugo* scrub](#), [T36 Temperate and submediterranean montane *Pinus sylvestris*-*Pinus nigra* forest](#)

Constant species of EUNIS habitats: [R44 Arctic-alpine calcareous grassland](#), [S24 Subalpine genistoid scrub of the Amphi-Adriatic region](#), [S26 Subalpine *Pinus mugo* scrub](#), [T31 Temperate mountain *Picea* forest](#), [T34 Temperate subalpine *Larix*, *Pinus cembra* and *Pinus uncinata* forest](#), [T36 Temperate and submediterranean montane *Pinus sylvestris*-*Pinus nigra* forest](#)

Broad habitat

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

Distribution

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