Calamagrostis varia

Habitus and growth type

Plant height [m]: **0.78**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/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**

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

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**

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