

Calamagrostis arundinacea

Habitus and growth type

Plant height [m]: **0.85**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **22.78**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **0.45**

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: **Acidic**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **5.7**

Temperature indicator value: **4.6**

Moisture indicator value: **5.2**

Reaction indicator value: **4.2**

Nutrient indicator value: **5**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.08**

Disturbance frequency (herb layer): **1.3**
Disturbance severity: **0.67**
Disturbance severity (herb layer): **0.15**
Mowing frequency: **0.02**
Grazing pressure: **0.2**
Soil disturbance: **0.12**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [BC \(BRA\) *Brachypodio pinnati-Betuletea pendulae*](#), [CS \(MUL\) *Mulgedio-Aconitetea*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [T39 Mediterranean and Balkan subalpine *Pinus heldreichii*-*Pinus peuce* forest](#), [T3F Dark taiga](#)

Constant species of EUNIS habitats: [T18 *Fagus* forest on acid soils](#), [T31 Temperate mountain *Picea* forest](#), [T35 Temperate continental *Pinus sylvestris* forest](#), [T39 Mediterranean and Balkan subalpine *Pinus heldreichii*-*Pinus peuce* forest](#), [T3F Dark taiga](#), [T3G *Pinus sylvestris* light taiga](#), [T3H *Larix* light taiga](#)

Broad habitat

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

Distribution

Continentality: **6**
Continentality amplitude: **5**