Calamagrostis arundinacea

Habitus and growth type

Plant height [m]: **0.85**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/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**

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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, T3G Pinus sylvestris light taiga, T3H Larix light 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**

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