

# *Calamagrostis purpurea*

## Habitus and growth type

Plant height [m]: **1.19**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **23.96**

## Fruit, seed and dispersal

Seed mass [mg]: **0.1**

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: **Slightly acidic to near-neutral**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7**

Temperature indicator value: **4**

Moisture indicator value: **7.7**

Reaction indicator value: **6**

Nutrient indicator value: **3.4**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.2**

Disturbance frequency (herb layer): **1.34**

Disturbance severity: **0.62**

Disturbance severity (herb layer): **0.18**

Mowing frequency: **0.06**

Grazing pressure: **0.18**

Soil disturbance: **0.13**

### **Habitat and sociology**

Broad habitat

Occurrence in broad habitats: **Mire, Alpine-subalpine and arctic grassland,**

**Synanthropic**