

# *Viola canina*

## Habitus and growth type

Plant height [m]: **0.32**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **25.28**

## Flower

Flowering period: **March-July**

## Fruit, seed and dispersal

Seed mass [mg]: **1.04**

Dispersal mode: **Myrmecochory**

Dispersal distance class: **3**

## 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: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.3**

Temperature indicator value: **5.1**

Moisture indicator value: **5.1**

Reaction indicator value: **3.6**

Nutrient indicator value: **2.1**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.49**

Disturbance frequency (herb layer): **1.62**  
Disturbance severity: **0.55**  
Disturbance severity (herb layer): **0.34**  
Mowing frequency: **0.3**  
Grazing pressure: **0.24**  
Soil disturbance: **0.22**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [BC \(BRA\) \*Brachypodio pinnati-Betuletea pendulae\*](#), [CI \(NAR\) \*Nardetea strictae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [R1M Lowland to montane, dry to mesic grassland usually dominated by \*Nardus stricta\*](#), [T3H Larix light taiga](#)

Constant species of EUNIS habitats: [N18 Atlantic and Baltic coastal \*Empetrum heath\*](#), [R1M Lowland to montane, dry to mesic grassland usually dominated by \*Nardus stricta\*](#), [T1D Southern European mountain \*Betula\* and \*Populus tremula\* forest on mineral soils](#), [T3H Larix light taiga](#)

### Broad habitat

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