

Viola canina

Habitus and growth type

Plant height [m]: **0.32**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/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

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**](#)

Broad habitat

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