Viola canina

Habitus and growth type

Plant height [m]: **0.32**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/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**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

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)**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz