

# *Viola riviniana*

## Habitus and growth type

Plant height [m]: **0.18**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **30.95**

## Flower

Flowering period: **March-August**

## Fruit, seed and dispersal

Seed mass [mg]: **1.22**

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: **Slightly acidic to near-neutral**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Temperature indicator value: **5.5**

Moisture indicator value: **4.7**

Reaction indicator value: **4.8**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.21**

Disturbance frequency (herb layer): **1.41**

Disturbance severity: **0.62**

Disturbance severity (herb layer): **0.23**

Mowing frequency: **0.12**

Grazing pressure: **0.23**

Soil disturbance: **0.16**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CA \(FAG\) \*Carpino-Fagetea sylvaticae\*](#), [CC \(QUE\) \*Quercetea robori-petraeae\*](#), [GC \(LAU\) \*Pruno lusitanicae-Lauretea azoricae\*](#)

### EUNIS habitat

Constant species of EUNIS habitats: [N19 Atlantic coastal \*Calluna\* and \*Ulex\* heath](#), [R52 Forest fringe of acidic nutrient-poor soils](#), [R54 \*Pteridium aquilinum\* vegetation](#), [S37 \*Corylus avellana\* scrub](#), [T29 Broadleaved evergreen plantation of non site-native trees](#), [T37 Mediterranean montane \*Pinus sylvestris\*-\*Pinus nigra\* forest](#)

### Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Heathland, Scrub, Forest, Synanthropic**

## Distribution

Continentality: **4**

Continentality amplitude: **4**