

# *Polygonatum verticillatum*

## Habitus and growth type

Plant height [m]: **0.49**

Life span: **Perennial**

Life form: **Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **41.65**

## Flower

Flowering period: **April-July**

## Fruit, seed and dispersal

Seed mass [mg]: **71.19**

Dispersal mode: **Endozoochory**

Dispersal distance class: **6**

## 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

Reaction indicator value: **5**

Nutrient indicator value: **5**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.05**

Disturbance frequency (herb layer): **1.21**

Disturbance severity: **0.68**

Disturbance severity (herb layer): **0.13**

Mowing frequency: **0.01**

Grazing pressure: **0.19**

Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CA \(FAG\) \*Carpino-Fagetetea sylvaticae\*](#), [CC \(QUE\) \*Quercetea roburi-petraeae\*](#), [CR \(VIR\) \*Betulo carpaticeae-Alnetea viridis\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T31 Temperate mountain Picea forest](#), [T32 Temperate mountain Abies forest](#)

Constant species of EUNIS habitats: [S25 Subalpine and subarctic deciduous scrub](#), [S26 Subalpine Pinus mugo scrub](#), [T17 Fagus forest on non-acid soils](#), [T1F Ravine forest](#), [T31 Temperate mountain Picea forest](#), [T32 Temperate mountain Abies forest](#)

### Broad habitat

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

## Distribution

Continentality: **4**

Continentality amplitude: **4**