

# *Polygonatum multiflorum*

## Habitus and growth type

Plant height [m]: **0.47**

Life span: **Perennial**

Life form: **Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **43.84**

## Flower

Flowering period: **April-July**

## Fruit, seed and dispersal

Seed mass [mg]: **205.86**

Dispersal mode: **Local non-specific dispersal**

Dispersal distance class: **2**

## 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: **Alkaline**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Moisture indicator value: **5.2**

Reaction indicator value: **6.6**

Nutrient indicator value: **4.9**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.03**

Disturbance frequency (herb layer): **1.32**

Disturbance severity: **0.7**

Disturbance severity (herb layer): **0.14**

Mowing frequency: **0.01**

Grazing pressure: **0.19**

Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CA \(FAG\) \*Carpino-Fagetea sylvaticae\*](#),  
[CL \(GER\) \*Trifolio-Geranietea sanguinei\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T1E \*Carpinus\* and \*Quercus\* mesic deciduous forest](#), [T1F Ravine forest](#)

Constant species of EUNIS habitats: [S37 \*Corylus avellana\* scrub](#), [T17 \*Fagus\* forest on non-acid soils](#), [T1E \*Carpinus\* and \*Quercus\* mesic deciduous forest](#), [T1F Ravine forest](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **5**