

# *Valeriana pratensis*

## Habitus and growth type

Plant height [m]: **0.72**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **26.44**

## Fruit, seed and dispersal

Seed mass [mg]: **0.81**

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: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7**

Temperature indicator value: **8**

Moisture indicator value: **5.5**

Reaction indicator value: **9**

Nutrient indicator value: **2**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.19**

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

Disturbance severity: **0.63**

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

Mowing frequency: **0.13**

Grazing pressure: **0.21**

Soil disturbance: **0.11**

### **Habitat and sociology**

Broad habitat

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

### **Distribution**

Continentality: **6**

Continentality amplitude: **5**