

# *Lupinus polyphyllus*

## Habitus and growth type

Plant height [m]: **0.93**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **22.84**

## Flower

Flowering period: **March-May**

## Fruit, seed and dispersal

Seed mass [mg]: **23.46**

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

Dispersal distance class: **2, 7**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **symbiosis with rhizobia**

## Taxon origin

Origin in Europe: **neophyte**

## Ecology

### Environmental relationships

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Acidic**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.4**

Temperature indicator value: **5.1**

Moisture indicator value: **5.2**

Reaction indicator value: **4.3**

Nutrient indicator value: **6**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.85**

Disturbance frequency (herb layer): **1.77**  
Disturbance severity: **0.58**  
Disturbance severity (herb layer): **0.49**  
Mowing frequency: **0.53**  
Grazing pressure: **0.19**  
Soil disturbance: **0.29**

## **Habitat and sociology**

### Syntaxon

Diagnostic species of phytosociological classes: [QG \(EPI\) \*Epilobietea angustifolii\*](#)

### Broad habitat

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

## **Distribution**

Continentality: **3**  
Continentality amplitude: **3**