

# *Lathyrus vernus*

## Habitus and growth type

Plant height [m]: **0.28**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **39.8**

## Flower

Flowering period: **March-May**

## Fruit, seed and dispersal

Seed mass [mg]: **17.35**

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

Dispersal distance class: **1**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **symbiosis with rhizobia**

## 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

Light indicator value: **4.2**

Temperature indicator value: **5.6**

Moisture indicator value: **5.2**

Reaction indicator value: **7.4**

Nutrient indicator value: **4.5**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.02**

Disturbance frequency (herb layer): **1.31**  
Disturbance severity: **0.7**  
Disturbance severity (herb layer): **0.12**  
Mowing frequency: **0.01**  
Grazing pressure: **0.19**  
Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [BC \(BRA\) \*Brachypodio pinnati-Betuletea pendulae\*](#), [CA \(FAG\) \*Carpino-Fagetea sylvaticae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T3H \*Larix light taiga\*](#)

Constant species of EUNIS habitats: [T17 \*Fagus forest on non-acid soils\*](#), [T1E \*Carpinus and Quercus mesic deciduous forest\*](#), [T1F \*Ravine forest\*](#), [T3H \*Larix light taiga\*](#)

### Broad habitat

Occurrence in broad habitats: **Forest**

## Distribution

Continentality: **6**  
Continentality amplitude: **5**