

# *Lathyrus niger*

## Habitus and growth type

Plant height [m]: **0.47**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

## Flower

Flowering period: **April-June**

## Fruit, seed and dispersal

Seed mass [mg]: **17.54**

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

Dispersal distance class: **2**

## 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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Temperature indicator value: **6.4**

Moisture indicator value: **3.8**

Reaction indicator value: **6.7**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.03**

Disturbance frequency (herb layer): **1.31**

Disturbance severity: **0.69**

Disturbance severity (herb layer): **0.12**

Mowing frequency: **0.02**

Grazing pressure: **0.2**

Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CA \(FAG\) \*Carpino-Fagetea sylvaticae\*](#),  
[CB \(PUB\) \*Quercetea pubescentis\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T19 Temperate and submediterranean thermophilous deciduous forest](#)

Constant species of EUNIS habitats: [T19 Temperate and submediterranean thermophilous deciduous forest](#)

### Broad habitat

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

## Distribution

Continentality: **5**

Continentality amplitude: **3**