

# *Orchis purpurea*

## Habitus and growth type

Plant height [m]: **0.45**

Life span: **Perennial**

Life form: **Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **29.16**

## Flower

Flowering period: **March-June**

## Fruit, seed and dispersal

Seed mass [mg]: **0**

Dispersal mode: **Anemochory**

Dispersal distance class: **3**

## Trophic mode

Parasitism and mycoheterotrophy: **initial or partial mycoheterotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## 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

Light indicator value: **5.5**

Temperature indicator value: **6.9**

Moisture indicator value: **4.3**

Reaction indicator value: **8**

Nutrient indicator value: **3.2**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.22**

Disturbance frequency (herb layer): **1.44**  
Disturbance severity: **0.62**  
Disturbance severity (herb layer): **0.25**  
Mowing frequency: **0.18**  
Grazing pressure: **0.24**  
Soil disturbance: **0.11**

### **Habitat and sociology**

#### Syntaxon

Diagnostic species of phytosociological classes: [CB \(PUB\) \*Quercetea pubescentis\*](#), [DA \(FES\) \*Festuco-Brometea\*](#)

#### Broad habitat

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

### **Distribution**

Continentality: **5**  
Continentality amplitude: **3**