

Orchis purpurea

Habitus and growth type

Plant height [m]: **0.45**

Life span: **Perennial**

Life form: **Geophyte**

Leaf

Specific leaf area [mm²/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**