Orchis purpurea

Habitus and growth type

Plant height [m]: **0.45**
Life span: **Perennial**
Life form: **Geophyte**

Leaf

Specific leaf area [mm^2/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**

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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**

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