

Gymnadenia conopsea

Habitus and growth type

Plant height [m]: **0.41**

Life span: **Perennial**

Life form: **Geophyte**

Leaf

Specific leaf area [mm²/mg]: **17.15**

Flower

Flowering period: **April-August**

Fruit, seed and dispersal

Seed mass [mg]: **0.01**

Dispersal mode: **Anemochory**

Dispersal distance class: **5**

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: **Wet**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.6**

Temperature indicator value: **4.6**

Moisture indicator value: **6.2**

Reaction indicator value: **7.4**

Nutrient indicator value: **2.7**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.13**

Disturbance frequency (herb layer): **1.75**
Disturbance severity: **0.46**
Disturbance severity (herb layer): **0.42**
Mowing frequency: **0.6**
Grazing pressure: **0.26**
Soil disturbance: **0.14**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [CM \(MOL\) Molinio-Arrhenatheretea](#)

EUNIS habitat

Constant species of EUNIS habitats: [R23 Mountain hay meadow](#), [S24 Subalpine genistoid scrub of the Amphi-Adriatic region](#), [U25 Boreal and Arctic base-rich scree and block field](#)

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality amplitude: 7