Orobanche caryophyllacea

Habitus and growth type

Plant height [m]: **0.31**
Life span: **Perennial**
Life form: **Geophyte**

Flower

Flowering period: **March-July**

Fruit, seed and dispersal

Seed mass [mg]: **0.01**
Dispersal mode: **Anemochory**
Dispersal distance class: **5**

Trophic mode

Parasitism and mycoheterotrophy: **obligate root parasite**
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: **8.1**
Temperature indicator value: **6.3**
Moisture indicator value: **3.1**
Reaction indicator value: **8.6**
Nutrient indicator value: **2.1**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.96**
Disturbance frequency (herb layer): **1.73**
Disturbance severity: **0.47**
Disturbance severity (herb layer): **0.41**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

Mowing frequency: **0.41**
Grazing pressure: **0.26**
Soil disturbance: **0.23**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **DA (FES) *Festuco-Brometea***

Broad habitat

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

Distribution

Continentality: **6**
Continentality amplitude: **5**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz