

# *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**

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**