

# ***Eranthis hyemalis***

## **Habitus and growth type**

Plant height [m]: **0.09**

Life span: **Perennial**

Life form: **Geophyte**

## **Leaf**

Specific leaf area [mm<sup>2</sup>/mg]: **22.7**

## **Flower**

Flowering period: **January-March**

## **Fruit, seed and dispersal**

Seed mass [mg]: **5.39**

Dispersal mode: **Local non-specific dispersal, Anthropochory**

Dispersal distance class: **1, 7**

## **Trophic mode**

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## **Taxon origin**

Origin in Europe: **Native**

## **Ecology**

### **Environmental relationships**

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

### **Ellenberg-type indicator values**

Light indicator value: **3.8**

Moisture indicator value: **5.3**

Reaction indicator value: **6.8**

Nutrient indicator value: **6.3**

Salinity indicator value: **0**

### **Disturbance indicator values**

Disturbance frequency: **0.55**

Disturbance frequency (herb layer): **1.4**

Disturbance severity: **0.76**

Disturbance severity (herb layer): **0.54**

Mowing frequency: **0.24**

Grazing pressure: **0.17**

Soil disturbance: **0.49**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CA \(FAG\) Carpino-Fagetea sylvaticae](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T38 Mediterranean montane Cedrus forest](#)

### Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Forest**

## Distribution

Continentality: **6**

Continentality amplitude: **2**