

# *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**