

# *Helleborus foetidus*

## Habitus and growth type

Plant height [m]: **0.48**

Life span: **Perennial**

Life form: **Chamaephyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **14.95**

## Flower

Flowering period: **January-April, November-December**

## Fruit, seed and dispersal

Seed mass [mg]: **9.44**

Dispersal mode: **Myrmecochory, Anthropochory**

Dispersal distance class: **3, 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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **5.5**

Temperature indicator value: **6.7**

Moisture indicator value: **3.7**

Reaction indicator value: **8.2**

Nutrient indicator value: **2.8**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.09**

Disturbance frequency (herb layer): **1.32**  
Disturbance severity: **0.67**  
Disturbance severity (herb layer): **0.16**  
Mowing frequency: **0.04**  
Grazing pressure: **0.21**  
Soil disturbance: **0.11**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CA \(FAG\) \*Carpino-Fagetea sylvaticae\*](#),  
[CB \(PUB\) \*Quercetea pubescentis\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T1G \*Alnus cordata\* forest](#)

Constant species of EUNIS habitats: [S52 Submediterranean pseudomaquis](#), [T1G \*Alnus cordata\* forest](#), [T37 Mediterranean montane \*Pinus sylvestris\*-\*Pinus nigra\* forest](#), [T3C \*Taxus baccata\* forest](#)

### Broad habitat

Occurrence in broad habitats: **Scrub, Forest**

## Distribution

Continentality: **3**

Continentality amplitude: **3**