

# *Hepatica nobilis*

## Habitus and growth type

Plant height [m]: **0.1**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **29.7**

## Flower

Flowering period: **February-May**

## Fruit, seed and dispersal

Seed mass [mg]: **3.3**

Dispersal mode: **Myrmecochory**

Dispersal distance class: **3**

## 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: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Temperature indicator value: **5.8**

Reaction indicator value: **7.3**

Nutrient indicator value: **4**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.04**

Disturbance frequency (herb layer): **1.28**

Disturbance severity: **0.68**

Disturbance severity (herb layer): **0.13**  
Mowing frequency: **0.01**  
Grazing pressure: **0.2**  
Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

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

### EUNIS habitat

Diagnostic species of EUNIS habitats: [S52 Submediterranean pseudomaquis](#), [T17 Fagus forest on non-acid soils](#), [T1D Southern European mountain Betula and Populus tremula forest on mineral soils](#), [T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest](#), [T3C Taxus baccata forest](#)

Constant species of EUNIS habitats: [S37 Corylus avellana scrub](#), [S52 Submediterranean pseudomaquis](#), [T17 Fagus forest on non-acid soils](#), [T19 Temperate and submediterranean thermophilous deciduous forest](#), [T1D Southern European mountain Betula and Populus tremula forest on mineral soils](#), [T1E Carpinus and Quercus mesic deciduous forest](#), [T1F Ravine forest](#), [T32 Temperate mountain Abies forest](#), [T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest](#), [T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest](#), [T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest](#), [T3C Taxus baccata forest](#)

### Broad habitat

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

## Distribution

Continentality: **5**  
Continentality amplitude: **3**