

# *Helleborus niger*

## Habitus and growth type

Plant height [m]: **0.23**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **1.12**

## Flower

Flowering period: **February-April**

## Fruit, seed and dispersal

Seed mass [mg]: **7.65**

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

Light indicator value: **4.5**

Temperature indicator value: **5.2**

Moisture indicator value: **5**

Reaction indicator value: **8**

Nutrient indicator value: **4**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.07**

Disturbance frequency (herb layer): **1.18**

Disturbance severity: **0.66**

Disturbance severity (herb layer): **0.14**

Mowing frequency: **0.02**

Grazing pressure: **0.2**

Soil disturbance: **0.1**

## **Habitat and sociology**

Broad habitat

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

## **Distribution**

Continentality: **4**

Continentality amplitude: **2**