

# *Heracleum sphondylium*

## Habitus and growth type

Plant height [m]: **1.18**

Life span: **Biennial or short-lived, Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **11.58**

## Flower

Flowering period: **May-July**

## Fruit, seed and dispersal

Seed mass [mg]: **6.22**

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

Dispersal distance class: **2**

## 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: **7.1**

Temperature indicator value: **4.5**

Moisture indicator value: **5.5**

Reaction indicator value: **6.6**

Nutrient indicator value: **7.2**

Salinity indicator value: **0.1**

### Disturbance indicator values

Disturbance frequency: **0.61**

Disturbance frequency (herb layer): **1.55**  
Disturbance severity: **0.56**  
Disturbance severity (herb layer): **0.42**  
Mowing frequency: **0.47**  
Grazing pressure: **0.16**  
Soil disturbance: **0.26**

## Habitat and sociology

### EUNIS habitat

Diagnostic species of EUNIS habitats: [R22 Low and medium altitude hay meadow](#),  
[R23 Mountain hay meadow](#)

Constant species of EUNIS habitats: [R22 Low and medium altitude hay meadow](#),  
[R23 Mountain hay meadow](#), [R55 Lowland moist or wet tall-herb and fern fringe](#),  
[R56 Montane to subalpine moist or wet tall-herb and fern fringe](#), [S25 Subalpine  
and subarctic deciduous scrub](#), [S37 Corylus avellana scrub](#), [S38 Temperate  
forest clearing scrub](#), [T11 Temperate Salix and Populus riparian forest](#), [T1F  
Ravine forest](#), [T3H Larix light taiga](#), [V39 Mesic perennial anthropogenic  
herbaceous vegetation](#)

### Broad habitat

Occurrence in broad habitats: **Wetland, Grassland (non-alpine, non-saline), Alpine-  
subalpine and arctic grassland, Scrub, Forest, Sparsely vegetated (incl. rock and  
scree), Synanthropic**

## Distribution

Continentality amplitude: 7