

# *Humulus lupulus*

## Habitus and growth type

Plant height [m]: **4.4**

Life span: **Perennial**

Life form: **Hemicryptophyte, Herbaceous liana**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **23.97**

## Flower

Flowering period: **April-August**

## Fruit, seed and dispersal

Seed mass [mg]: **3.35**

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

Dispersal distance class: **2, 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: **Wet**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **6.7**

Temperature indicator value: **6.2**

Moisture indicator value: **7.9**

Reaction indicator value: **6.7**

Nutrient indicator value: **7.9**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.29**

Disturbance frequency (herb layer): **1.41**  
Disturbance severity: **0.65**  
Disturbance severity (herb layer): **0.34**  
Mowing frequency: **0.08**  
Grazing pressure: **0.19**  
Soil disturbance: **0.12**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CF \(ROB\) Robinietaea](#), [HA \(POP\) Alno glutinosae-Populetea albae](#), [QG \(EPI\) Epilobietea angustifolii](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T11 Temperate Salix and Populus riparian forest](#), [T13 Temperate hardwood riparian forest](#)

Constant species of EUNIS habitats: [T11 Temperate Salix and Populus riparian forest](#), [T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils](#), [T13 Temperate hardwood riparian forest](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **6**