

# *Alliaria petiolata*

## Habitus and growth type

Plant height [m]: **0.5**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **40.83**

## Flower

Flowering period: **April-July**

## Fruit, seed and dispersal

Seed mass [mg]: **2.58**

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: **5.2**

Temperature indicator value: **5.9**

Moisture indicator value: **5.4**

Reaction indicator value: **7.3**

Nutrient indicator value: **8**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.15**

Disturbance frequency (herb layer): **1.34**  
Disturbance severity: **0.68**  
Disturbance severity (herb layer): **0.25**  
Mowing frequency: **0.07**  
Grazing pressure: **0.19**  
Soil disturbance: **0.13**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CA \(FAG\) \*Carpino-Fagetea sylvaticae\*](#),  
[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: [N1D Atlantic and Baltic broad-leaved coastal dune forest](#), [T11 Temperate Salix and Populus riparian forest](#), [T13 Temperate hardwood riparian forest](#), [T1F Ravine forest](#), [T1H Broadleaved deciduous plantation of non site-native trees](#), [V39 Mesic perennial anthropogenic herbaceous vegetation](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **6**