# *Melilotus officinalis*

### Habitus and growth type

Plant height [m]: **1**
Life span: **Biennial or short-lived**
Life form: **Hemicryptophyte**

### Leaf

Specific leaf area [$mm^2$/mg]: **19.38**

### Flower

Flowering period: **April-August**

### Fruit, seed and dispersal

Seed mass [mg]: **2.52**
Dispersal mode: **Local non-specific dispersal**
Dispersal distance class: **2**

### Trophic mode

Parasitism and mycoheterotrophy: **autotroph**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **symbiosis with rhizobia**

### Taxon origin

Origin in Europe: **Native**

### Ecology

#### Environmental relationships

Substrate humidity relationship: **Dry**
Substrate reaction relationship: **Alkaline**
Salinity relationship: **Non-saline**

#### Ellenberg-type indicator values

Light indicator value: **8.1**
Moisture indicator value: **3.8**
Reaction indicator value: **7.3**
Salinity indicator value: **0.2**

#### Disturbance indicator values

Disturbance frequency: **1.39**
Disturbance frequency (herb layer): **1.74**
Disturbance severity: **0.67**
Disturbance severity (herb layer): **0.65**

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Mowing frequency: **0.77**
Grazing pressure: **0.2**
Soil disturbance: **0.32**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: **QF (ART) *Artemisietea vulgaris***

### EUNIS habitat

Diagnostic species of EUNIS habitats: **V38 Dry perennial anthropogenic herbaceous vegetation**
Constant species of EUNIS habitats: **V38 Dry perennial anthropogenic herbaceous vegetation**

### Broad habitat

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

## Distribution

Continentality: **8**
Continentality amplitude: **6**

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