

# *Melilotus altissimus*

## Habitus and growth type

Plant height [m]: **0.97**

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

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **15.65**

## Flower

Flowering period: **June-October**

## Fruit, seed and dispersal

Seed mass [mg]: **4.09**

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: **Wet**

Substrate reaction relationship: **Alkaline**

Salinity relationship: **Slightly saline or brackish**

### Ellenberg-type indicator values

Light indicator value: **8**

Temperature indicator value: **6.2**

Moisture indicator value: **6.6**

Reaction indicator value: **7**

Salinity indicator value: **1.2**

### Disturbance indicator values

Disturbance frequency: **1.37**

Disturbance frequency (herb layer): **1.71**

Disturbance severity: **0.58**

Disturbance severity (herb layer): **0.56**

Mowing frequency: **0.77**

Grazing pressure: **0.22**

Soil disturbance: **0.26**

## **Habitat and sociology**

### Syntaxon

Diagnostic species of phytosociological classes: [\*\*QG \(EPI\) Epilobietea angustifolii\*\*](#)

### Broad habitat

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

## **Distribution**

Continentality: **5**

Continentality amplitude: **4**