

# **Melilotus sulcatus**

## **Habitus and growth type**

Plant height [m]: **0.38**

Life span: **Annual**

Life form: **Therophyte**

## **Leaf**

Specific leaf area [mm<sup>2</sup>/mg]: **17.73**

## **Flower**

Flowering period: **March-July**

## **Fruit, seed and dispersal**

Seed mass [mg]: **3.8**

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: **Mesic**

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

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Slightly saline or brackish**

### **Ellenberg-type indicator values**

Light indicator value: **8**

Temperature indicator value: **9.3**

Moisture indicator value: **5**

Reaction indicator value: **6.5**

Nutrient indicator value: **6**

Salinity indicator value: **1**

### **Disturbance indicator values**

Disturbance frequency: **1.68**

Disturbance frequency (herb layer): **2.11**

Disturbance severity: **0.8**

Disturbance severity (herb layer): **0.78**

Mowing frequency: **0.66**

Grazing pressure: **0.23**

Soil disturbance: **0.44**

## **Habitat and sociology**

### Syntaxon

Diagnostic species of phytosociological classes: [QC \(CHE\) \*Chenopodietea\*](#)

### Broad habitat

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