

# *Melilotus messanensis*

## Habitus and growth type

Plant height [m]: **0.34**

Life span: **Annual**

Life form: **Therophyte**

## Flower

Flowering period: **February-May**

## Fruit, seed and dispersal

Seed mass [mg]: **8.8**

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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Eutrophic**

### Ellenberg-type indicator values

Light indicator value: **8**

Temperature indicator value: **10.3**

Moisture indicator value: **4.3**

Reaction indicator value: **7**

Nutrient indicator value: **6**

Salinity indicator value: **3**

### Disturbance indicator values

Disturbance frequency: **2.37**

Disturbance frequency (herb layer): **2.37**

Disturbance severity: **0.71**

Disturbance severity (herb layer): **0.71**

Mowing frequency: **0.38**

Grazing pressure: **0.2**

Soil disturbance: **0.38**

## **Habitat and sociology**

Syntaxon

Diagnostic species of phytosociological classes: [MF \(JUN\) \*Juncetea maritimi\*](#)

Broad habitat

Occurrence in broad habitats: **Coastal saltmarsh, Coastal beach, dune or shingle, Grassland (non-alpine, non-saline), Scrub, Sparsely vegetated (incl. rock and scree)**