

Melilotus elegans

Habitus and growth type

Plant height [m]: **0.57**

Life span: **Annual**

Life form: **Therophyte**

Flower

Flowering period: **March-July**

Fruit, seed and dispersal

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**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.5**

Temperature indicator value: **9.5**

Moisture indicator value: **3.5**

Reaction indicator value: **7.5**

Nutrient indicator value: **6.5**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.09**

Disturbance frequency (herb layer): **1.78**

Disturbance severity: **0.79**

Disturbance severity (herb layer): **0.74**

Mowing frequency: **0.83**

Grazing pressure: **0.26**

Soil disturbance: **0.37**

Habitat and sociology

Syntaxon

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

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Synanthropic**