

Melilotus officinalis

Habitus and growth type

Plant height [m]: **1**

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

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/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**

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

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**