

Medicago lupulina

Habitus and growth type

Plant height [m]: **0.23**

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

Life form: **Hemicryptophyte, Therophyte**

Spinescence: **not spinescent**

Leaf

Specific leaf area [mm²/mg]: **26.53**

Flower

Flowering period: **March-July**

Fruit, seed and dispersal

Seed mass [mg]: **1.73**

Dispersal mode: **Local non-specific dispersal, Anthropochory**

Dispersal distance class: **1, 7**

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: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.3**

Temperature indicator value: **5.4**

Moisture indicator value: **4.1**

Reaction indicator value: **7.6**

Nutrient indicator value: **4.2**

Salinity indicator value: **0.4**

Disturbance indicator values

Disturbance frequency: **1.35**
Disturbance frequency (herb layer): **1.95**
Disturbance severity: **0.59**
Disturbance severity (herb layer): **0.56**
Mowing frequency: **0.82**
Grazing pressure: **0.24**
Soil disturbance: **0.35**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [DA \(FES\) Festuco-Brometea](#), [FH \(BUL\) Poetea bulbosae](#), [QF \(ART\) Artemisietea vulgaris](#)

EUNIS habitat

Constant species of EUNIS habitats: [R13 Cryptogam- and annual-dominated vegetation on calcareous and ultramafic rock outcrops](#), [R14 Perennial rocky grassland of the Italian Peninsula](#), [R1A Semi-dry perennial calcareous grassland \(meadow steppe\)](#), [R1K Balkan and Anatolian oromediterranean dry grassland](#), [R22 Low and medium altitude hay meadow](#), [U71 Unvegetated or sparsely vegetated gravel bar in montane and alpine regions](#), [V13 Arable land with unmixing crops grown by low-intensity agricultural methods](#), [V38 Dry perennial anthropogenic herbaceous vegetation](#)

Broad habitat

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

Distribution

Continentality amplitude: **9**