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 [mm^2/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

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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

Diagnostic species of EUNIS habitats: **R1A Semi-dry perennial calcareous grassland (meadow steppe)**
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), R22 Low and medium altitude hay meadow, U71 Unvegetated or sparsely vegetated gravel bar in montane and alpine regions, V12 Mixed crops of market gardens and horticulture, V13 Arable land with unmixed 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**

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