Silybum marianum

Habitus and growth type

Plant height [m]: **0.91**
Life span: **Annual, Biennial or short-lived**
Life form: **Hemicryptophyte, Therophyte**
Spinescence: **spinescent**

Leaf

Specific leaf area [mm^2/mg]: **13.33**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **23.48**
Dispersal mode: **Myrmecochory, Anthropochory**
Dispersal distance class: **3, 7**

Trophic mode

Parasitism and mycoheterotrophy: **autotroph**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Taxon origin

Origin in Europe: **Native**

Ecology

Environmental relationships

Substrate humidity relationship: **Dry**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Slightly saline or brackish**

Ellenberg-type indicator values

Light indicator value: **8.2**
Temperature indicator value: **8.5**
Moisture indicator value: **3.7**
Reaction indicator value: **7.2**
Nutrient indicator value: **7**
Salinity indicator value: **0.6**

Disturbance indicator values

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Disturbance frequency: **1.27**
Disturbance frequency (herb layer): **1.76**
Disturbance severity: **0.81**
Disturbance severity (herb layer): **0.78**
Mowing frequency: **0.39**
Grazing pressure: **0.23**
Soil disturbance: **0.42**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **QF (ART) *Artemisietea vulgaris***

EUNIS habitat

Diagnostic species of EUNIS habitats: **V33 Dry Mediterranean land with unpalatable non-vernal herbaceous vegetation**
Constant species of EUNIS habitats: **V33 Dry Mediterranean land with unpalatable non-vernal herbaceous vegetation**
Dominant species of EUNIS habitats: **V33 Dry Mediterranean land with unpalatable non-vernal herbaceous vegetation**

Broad habitat

Occurrence in broad habitats: **Scrub, Sparsely vegetated (incl. rock and scree), Synanthropic**

Distribution

Continentality amplitude: **7**

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