

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 [mm²/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

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](#)

Broad habitat

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

Synanthropic

Distribution

Continentality amplitude: 7