

Carthamus lanatus

Habitus and growth type

Plant height [m]: **0.43**

Life span: **Annual**

Life form: **Therophyte**

Leaf

Specific leaf area [mm²/mg]: **9.02**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **11.9**

Dispersal mode: **Anemochory**

Dispersal distance class: **5**

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: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.5**

Temperature indicator value: **8.1**

Moisture indicator value: **3.5**

Reaction indicator value: **7**

Nutrient indicator value: **5.7**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.43**

Disturbance frequency (herb layer): **1.86**

Disturbance severity: **0.72**

Disturbance severity (herb layer): **0.69**

Mowing frequency: **0.53**

Grazing pressure: **0.3**

Soil disturbance: **0.34**

Habitat and sociology

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: **Grassland (non-alpine, non-saline), Synanthropic**