

# *Carthamus lanatus*

## Habitus and growth type

Plant height [m]: **0.43**

Life span: **Annual**

Life form: **Therophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/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**