

# *Carthamus carduncellus*

## Habitus and growth type

Plant height [m]: **0.14**  
Life span: **Perennial**  
Life form: **Hemicryptophyte**  
Spinescence: **spinescent**

## Flower

Flowering period: **April-July**

## Fruit, seed and dispersal

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: **Oligotrophic**  
Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.7**  
Temperature indicator value: **7.5**  
Moisture indicator value: **2.7**  
Reaction indicator value: **6.7**  
Nutrient indicator value: **2.3**  
Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.97**  
Disturbance frequency (herb layer): **1.76**  
Disturbance severity: **0.54**  
Disturbance severity (herb layer): **0.39**

Mowing frequency: **0.38**

Grazing pressure: **0.41**

Soil disturbance: **0.2**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [FP \(ONO\) Festuco hystricis-Ononidetea striatae](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [R1H Iberian oromediterranean basiphilous dry grassland](#), [S73 Western Mediterranean mountain hedgehog-heath](#)

Constant species of EUNIS habitats: [S73 Western Mediterranean mountain hedgehog-heath](#)

### Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Oromediterranean scrub, Scrub**