

Carthamus caeruleus

Habitus and growth type

Plant height [m]: **0.38**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Flower

Flowering period: **May-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: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.5**

Temperature indicator value: **11**

Moisture indicator value: **5**

Reaction indicator value: **7.5**

Nutrient indicator value: **4.5**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.28**

Disturbance frequency (herb layer): **1.71**

Disturbance severity: **0.81**

Disturbance severity (herb layer): **0.77**

Mowing frequency: **0.61**

Grazing pressure: **0.22**

Soil disturbance: **0.34**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [**QF \(ART\) Artemisietea vulgaris**](#)

Broad habitat

Occurrence in broad habitats: **Scrub, Synanthropic**