

# *Carduus crispus*

## Habitus and growth type

Plant height [m]: **1.08**

Life span: **Biennial or short-lived**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **23.6**

## Flower

Flowering period: **June-August**

## Fruit, seed and dispersal

Seed mass [mg]: **1.6**

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: **Hypertrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7**

Temperature indicator value: **5.6**

Moisture indicator value: **5.9**

Reaction indicator value: **6.8**

Nutrient indicator value: **8.6**

Salinity indicator value: **0.1**

### Disturbance indicator values

Disturbance frequency: **0.79**

Disturbance frequency (herb layer): **1.45**

Disturbance severity: **0.62**

Disturbance severity (herb layer): **0.52**

Mowing frequency: **0.49**

Grazing pressure: **0.18**

Soil disturbance: **0.25**

### **Habitat and sociology**

Broad habitat

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

### **Distribution**

Continentality amplitude: 7