

# *Cirsium spathulatum*

## Habitus and growth type

Plant height [m]: **1.15**

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

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **13.35**

## Flower

Flowering period: **May-September**

## Fruit, seed and dispersal

Seed mass [mg]: **7.58**

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: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.4**

Temperature indicator value: **6**

Moisture indicator value: **3.6**

Reaction indicator value: **8.3**

Nutrient indicator value: **5.1**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.11**

Disturbance frequency (herb layer): **1.83**

Disturbance severity: **0.51**

Disturbance severity (herb layer): **0.46**

Mowing frequency: **0.66**

Grazing pressure: **0.28**

Soil disturbance: **0.23**

## **Habitat and sociology**

### Syntaxon

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

### Broad habitat

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

## **Distribution**

Continentality: **5**

Continentality amplitude: **3**