

# *Cirsium arvense*

## Habitus and growth type

Plant height [m]: **0.93**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **15.13**

## Flower

Flowering period: **April-September**

## Fruit, seed and dispersal

Seed mass [mg]: **1.2**

Dispersal mode: **Anemochory, Anthropochory**

Dispersal distance class: **5, 7**

## 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: **Slightly acidic to near-neutral**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8**

Temperature indicator value: **5**

Reaction indicator value: **6.1**

Nutrient indicator value: **6.6**

Salinity indicator value: **0.4**

### Disturbance indicator values

Disturbance frequency: **1.39**

Disturbance frequency (herb layer): **1.77**

Disturbance severity: **0.62**

Disturbance severity (herb layer): **0.6**

Mowing frequency: **0.64**

Grazing pressure: **0.24**

Soil disturbance: **0.43**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [QA \(PAR\) \*Papaveretea rhoeadis\*](#), [QB \(SIS\) \*Sisymbrietea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [MA221 Atlantic saltmarsh driftline](#), [V11 Intensive unmixed crops](#), [V12 Mixed crops of market gardens and horticulture](#), [V13 Arable land with unmixed crops grown by low-intensity agricultural methods](#), [V15 Bare tilled, fallow or recently abandoned arable land](#)

Constant species of EUNIS habitats: [MA221 Atlantic saltmarsh driftline](#), [N1A Atlantic and Baltic coastal dune scrub](#), [R21 Mesic permanent pasture of lowlands and mountains](#), [R22 Low and medium altitude hay meadow](#), [R55 Lowland moist or wet tall-herb and fern fringe](#), [R57 Herbaceous forest clearing vegetation](#), [S32 Temperate \*Rubus\* scrub](#), [S38 Temperate forest clearing scrub](#), [U71 Unvegetated or sparsely vegetated gravel bar in montane and alpine regions](#), [V11 Intensive unmixed crops](#), [V12 Mixed crops of market gardens and horticulture](#), [V13 Arable land with unmixed crops grown by low-intensity agricultural methods](#), [V15 Bare tilled, fallow or recently abandoned arable land](#), [V37 Annual anthropogenic herbaceous vegetation](#), [V38 Dry perennial anthropogenic herbaceous vegetation](#), [V39 Mesic perennial anthropogenic herbaceous vegetation](#)

### Broad habitat

Occurrence in broad habitats: **Coastal saltmarsh**, **Grassland (non-alpine, non-saline)**, **Saline vegetation**, **Scrub**, **Sparsely vegetated (incl. rock and scree)**, **Synanthropic**

## Distribution

Continentality amplitude: **9**