# *Cirsium arvense*

## Habitus and growth type

Plant height [m]: **0.93**
Life span: **Perennial**
Life form: **Hemicryptophyte, Geophyte**

## Leaf

Specific leaf area [$mm^2$/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**

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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**

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