

# *Heliotropium europaeum*

## Habitus and growth type

Plant height [m]: **0.2**

Life span: **Annual**

Life form: **Therophyte**

## Flower

Flowering period: **May-November**

## Fruit, seed and dispersal

Seed mass [mg]: **1.1**

Dispersal mode: **Local non-specific dispersal, Anthropochory**

Dispersal distance class: **1, 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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Slightly saline or brackish**

### Ellenberg-type indicator values

Light indicator value: **8**

Temperature indicator value: **8.3**

Moisture indicator value: **3.4**

Reaction indicator value: **7.7**

Nutrient indicator value: **6.4**

Salinity indicator value: **0.8**

### Disturbance indicator values

Disturbance frequency: **1.28**

Disturbance frequency (herb layer): **1.85**

Disturbance severity: **0.8**

Disturbance severity (herb layer): **0.78**

Mowing frequency: **0.72**

Grazing pressure: **0.16**

Soil disturbance: **0.61**

## **Habitat and sociology**

Syntaxon

Diagnostic species of phytosociological classes: [QD \(DIG\) \*Digitario sanguinalis-Eragrostietea minoris\*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [V34 Trampled xeric grassland with annuals](#)

Broad habitat

Occurrence in broad habitats: **Synanthropic**

## **Distribution**

Continentality: **6**

Continentality amplitude: **5**