

# *Echium plantagineum*

## Habitus and growth type

Plant height [m]: **0.28**

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

Life form: **Hemicryptophyte, Therophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **22.82**

## Flower

Flowering period: **February-July**

## Fruit, seed and dispersal

Seed mass [mg]: **3.68**

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

Dispersal distance class: **1**

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

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.6**

Temperature indicator value: **8.8**

Moisture indicator value: **3.2**

Reaction indicator value: **6.4**

Nutrient indicator value: **6.8**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.18**

Disturbance frequency (herb layer): **1.93**

Disturbance severity: **0.81**

Disturbance severity (herb layer): **0.77**

Mowing frequency: **0.59**

Grazing pressure: **0.23**

Soil disturbance: **0.44**

## **Habitat and sociology**

### Syntaxon

Diagnostic species of phytosociological classes: [QC \(CHE\) \*Chenopodietea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [V32 Mediterranean subnitrophilous annual grassland](#), [V33 Dry Mediterranean land with unpalatable non-vernal herbaceous vegetation](#)

Constant species of EUNIS habitats: [V33 Dry Mediterranean land with unpalatable non-vernal herbaceous vegetation](#)

### Broad habitat

Occurrence in broad habitats: **Coastal beach, dune or shingle, Grassland (non-alpine, non-saline), Sparsely vegetated (incl. rock and scree), Synanthropic**