

# *Echium vulgare*

## Habitus and growth type

Plant height [m]: **0.61**

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

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **12.59**

## Flower

Flowering period: **March-September**

## Fruit, seed and dispersal

Seed mass [mg]: **2.76**

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

Dispersal distance class: **2**

## 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: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.5**

Moisture indicator value: **3.5**

Reaction indicator value: **6.3**

Nutrient indicator value: **4.1**

Salinity indicator value: **0.2**

### Disturbance indicator values

Disturbance frequency: **1.44**

Disturbance frequency (herb layer): **1.81**

Disturbance severity: **0.58**

Disturbance severity (herb layer): **0.55**

Mowing frequency: **0.58**

Grazing pressure: **0.26**

Soil disturbance: **0.28**

## Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region](#), [V38 Dry perennial anthropogenic herbaceous vegetation](#)

Constant species of EUNIS habitats: [R12 Cryptogam- and annual-dominated vegetation on siliceous rock outcrops](#), [R13 Cryptogam- and annual-dominated vegetation on calcareous and ultramafic rock outcrops](#), [R16 Perennial rocky grassland of Central and South-Eastern Europe](#), [R1B Continental dry grassland \(true steppe\)](#), [U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region](#), [V38 Dry perennial anthropogenic herbaceous vegetation](#)

Broad habitat

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

## Distribution

Continentality amplitude: **6**