

# *Echium spurium*

## Habitus and growth type

Plant height [m]: **0.22**

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

Life form: **Hemicryptophyte, Therophyte**

## Fruit, seed and dispersal

Seed mass [mg]: **3.47**

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: **Alkaline**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.5**

Temperature indicator value: **10.5**

Moisture indicator value: **2.5**

Reaction indicator value: **8**

Nutrient indicator value: **6.5**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.35**

Disturbance frequency (herb layer): **1.54**

Disturbance severity: **0.76**

Disturbance severity (herb layer): **0.71**

Mowing frequency: **0.36**

Grazing pressure: **0.31**

Soil disturbance: **0.35**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [FJ \(TRA\) Stipo-Trachynietea distachyae](#)

### Broad habitat

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