Echium italicum

Habitus and growth type

Plant height [m]: **0.65**
Life span: **Biennial or short-lived**
Life form: **Hemicryptophyte**

Flower

Flowering period: **March-August**

Fruit, seed and dispersal

Seed mass [mg]: **5.81**
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: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.4**
Moisture indicator value: **4.2**
Reaction indicator value: **7.3**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.55**
Disturbance frequency (herb layer): **1.91**
Disturbance severity: **0.71**
Disturbance severity (herb layer): **0.69**
Mowing frequency: **0.83**
Grazing pressure: **0.27**

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Soil disturbance: **0.33**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **QC (CHE) *Chenopodietea*, QF (ART) *Artemisietea vulgaris***

Broad habitat

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

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