

Echinops sphaerocephalus

Habitus and growth type

Plant height [m]: **1.21**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Flower

Flowering period: **June-August**

Fruit, seed and dispersal

Seed mass [mg]: **21.3**

Dispersal mode: **Epizoochory**

Dispersal distance class: **6**

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: **7.7**

Temperature indicator value: **6.5**

Moisture indicator value: **3.8**

Reaction indicator value: **7.2**

Nutrient indicator value: **6.4**

Salinity indicator value: **0.2**

Disturbance indicator values

Disturbance frequency: **0.89**

Disturbance frequency (herb layer): **1.65**

Disturbance severity: **0.66**

Disturbance severity (herb layer): **0.58**

Mowing frequency: **0.59**

Grazing pressure: **0.19**

Soil disturbance: **0.23**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [QF \(ART\) Artemisietea vulgaris](#)

Broad habitat

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

Distribution

Continentality: **6**

Continentality amplitude: **6**