Echinops exaltatus

Habitus and growth type

Plant height [m]: **1.11**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **15.2**

Flower

Flowering period: **June-August**

Fruit, seed and dispersal

Seed mass [mg]: **41.14**
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: **7.5**
Temperature indicator value: **6.7**
Moisture indicator value: **3.5**
Reaction indicator value: **8**
Nutrient indicator value: **7**
Salinity indicator value: **0**

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Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **QF (ART) *Artemisietea vulgaris***

Broad habitat

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

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