

# *Emex spinosa*

## Habitus and growth type

Plant height [m]: **0.4**

Life span: **Annual**

Life form: **Therophyte**

## Flower

Flowering period: **January-May, November-December**

## Fruit, seed and dispersal

Seed mass [mg]: **8.6**

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: **Eutrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.3**

Temperature indicator value: **10.3**

Moisture indicator value: **3**

Reaction indicator value: **5.7**

Nutrient indicator value: **7**

Salinity indicator value: **0.7**

### Disturbance indicator values

Disturbance frequency: **1.62**

Disturbance frequency (herb layer): **2.19**

Disturbance severity: **0.84**

Disturbance severity (herb layer): **0.82**

Mowing frequency: **0.82**

Grazing pressure: **0.19**

Soil disturbance: **0.61**

## **Habitat and sociology**

Syntaxon

Diagnostic species of phytosociological classes: [QC \(CHE\) Chenopodietea](#)

Broad habitat

Occurrence in broad habitats: **Coastal beach, dune or shingle, Sparsely vegetated (incl. rock and scree), Synanthropic**