

# ***Echinops ritro***

## **Habitus and growth type**

Plant height [m]: **0.5**  
Life span: **Perennial**  
Life form: **Hemicryptophyte**  
Spinescence: **spinescent**

## **Leaf**

Specific leaf area [mm<sup>2</sup>/mg]: **8.42**

## **Flower**

Flowering period: **May-September**

## **Fruit, seed and dispersal**

Seed mass [mg]: **16.06**  
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**  
Salinity relationship: **Non-saline**

### **Ellenberg-type indicator values**

Light indicator value: **8.7**  
Moisture indicator value: **2.9**  
Reaction indicator value: **7.5**  
Salinity indicator value: **0**  
Disturbance indicator values  
Disturbance frequency: **0.53**  
Disturbance frequency (herb layer): **1.61**  
Disturbance severity: **0.58**

Disturbance severity (herb layer): **0.36**

Mowing frequency: **0.28**

Grazing pressure: **0.33**

Soil disturbance: **0.19**

## **Habitat and sociology**

### EUNIS habitat

Constant species of EUNIS habitats: [R15 Continental dry rocky steppic grassland and dwarf scrub on chalk outcrops](#), [R18 Perennial rocky calcareous grassland of subatlantic-submediterranean Europe](#), [R19 Dry steppic submediterranean pasture of the Amphi-Adriatic region](#), [R1C Desert steppe](#)

### Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub**