

# *Asperula cynanchica*

## Habitus and growth type

Plant height [m]: **0.27**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Spinescence: **not spinescent**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **27.63**

## Flower

Flowering period: **June-October**

## Fruit, seed and dispersal

Seed mass [mg]: **1.01**

Dispersal mode: **Local non-specific dispersal**

Dispersal distance class: **1**

## 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: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.5**

Temperature indicator value: **6.4**

Moisture indicator value: **3**

Reaction indicator value: **7.9**

Nutrient indicator value: **2.8**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.06**  
Disturbance frequency (herb layer): **1.74**  
Disturbance severity: **0.48**  
Disturbance severity (herb layer): **0.42**  
Mowing frequency: **0.47**  
Grazing pressure: **0.32**  
Soil disturbance: **0.15**

## Habitat and sociology

### EUNIS habitat

Diagnostic species of EUNIS habitats: [R16 Perennial rocky grassland of Central and South-Eastern Europe](#), [R18 Perennial rocky calcareous grassland of subatlantic-submediterranean Europe](#)

Constant species of EUNIS habitats: [R14 Perennial rocky grassland of the Italian Peninsula](#), [R15 Continental dry rocky steppic grassland and dwarf scrub on chalk outcrops](#), [R16 Perennial rocky grassland of Central and South-Eastern Europe](#), [R17 Heavy-metal dry grassland of the Balkans](#), [R18 Perennial rocky calcareous grassland of subatlantic-submediterranean Europe](#), [R1A Semi-dry perennial calcareous grassland \(meadow steppe\)](#), [R1B Continental dry grassland \(true steppe\)](#), [R45 Alpine and subalpine calcareous grassland of the Balkans and Apennines](#), [S24 Subalpine genistoid scrub of the Amphi-Adriatic region](#), [S36 Low steppic scrub](#), [S61 Western basiphilous garrigue](#), [T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest](#), [U37 Temperate, lowland to montane base-rich inland cliff](#), [U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region](#)

### Broad habitat

Occurrence in broad habitats: **Coastal beach, dune or shingle, Coastal cliff, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

## Distribution

Continentality: **5**  
Continentality amplitude: **3**