

Calystegia soldanella

Habitus and growth type

Plant height [m]: **0.17**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

Leaf

Specific leaf area [mm²/mg]: **16.23**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **50.27**

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: **Alkaline**

Nutrient relationship: **Mesotrophic**

Ellenberg-type indicator values

Light indicator value: **8.8**

Moisture indicator value: **4.5**

Reaction indicator value: **7.3**

Nutrient indicator value: **4.4**

Salinity indicator value: **3**

Disturbance indicator values

Disturbance frequency: **1.97**

Disturbance frequency (herb layer): **2.15**

Disturbance severity: **0.43**

Disturbance severity (herb layer): **0.42**

Mowing frequency: **0.02**

Grazing pressure: **0.13**

Soil disturbance: **0.72**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [N13 Atlantic and Baltic shifting coastal dune](#), [N14 Mediterranean, Macaronesian and Black Sea shifting coastal dune](#), [N16 Mediterranean and Macaronesian coastal dune grassland \(grey dune\)](#), [N22 Mediterranean and Black Sea coastal shingle beach](#)

Constant species of EUNIS habitats: [N13 Atlantic and Baltic shifting coastal dune](#), [N14 Mediterranean, Macaronesian and Black Sea shifting coastal dune](#), [N16 Mediterranean and Macaronesian coastal dune grassland \(grey dune\)](#), [N22 Mediterranean and Black Sea coastal shingle beach](#)

Broad habitat

Occurrence in broad habitats: **Coastal beach, dune or shingle**

Distribution

Continentality: **4**

Continentality amplitude: **4**