

# *Arenaria serpyllifolia*

## Habitus and growth type

Plant height [m]: **0.19**

Life span: **Annual, Biennial or short-lived**

Life form: **Hemicryptophyte, Therophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **15.76**

## Flower

Flowering period: **February-October**

## Fruit, seed and dispersal

Seed mass [mg]: **0.09**

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: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.3**

Temperature indicator value: **5.2**

Moisture indicator value: **3.5**

Reaction indicator value: **6.7**

Nutrient indicator value: **4**

Salinity indicator value: **0.1**

### Disturbance indicator values

Disturbance frequency: **1.48**

Disturbance frequency (herb layer): **1.92**  
Disturbance severity: **0.59**  
Disturbance severity (herb layer): **0.57**  
Mowing frequency: **0.44**  
Grazing pressure: **0.27**  
Soil disturbance: **0.43**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CK \(SED\) \*Sedo-Scleranthetea\*](#), [FJ \(TRA\) \*Stipo-Trachynietea distachyae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [R13 Cryptogam- and annual-dominated vegetation on calcareous and ultramafic rock outcrops](#)

Constant species of EUNIS habitats: [R12 Cryptogam- and annual-dominated vegetation on siliceous rock outcrops](#), [R13 Cryptogam- and annual-dominated vegetation on calcareous and ultramafic rock outcrops](#), [R16 Perennial rocky grassland of Central and South-Eastern Europe](#), [R1F Mediterranean annual-rich dry grassland](#), [R1P Oceanic to subcontinental inland sand grassland on dry acid and neutral soils](#), [S75 Eastern Mediterranean mountain hedgehog-heath](#), [V13 Arable land with unmixed crops grown by low-intensity agricultural methods](#), [V15 Bare tilled, fallow or recently abandoned arable land](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **6**