

# *Sherardia arvensis*

## Habitus and growth type

Plant height [m]: **0.13**

Life span: **Annual**

Life form: **Therophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **24.86**

## Flower

Flowering period: **February-July**

## Fruit, seed and dispersal

Seed mass [mg]: **1.94**

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

Dispersal distance class: **1, 7**

## 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: **7.2**

Temperature indicator value: **6**

Moisture indicator value: **4.1**

Reaction indicator value: **6.8**

Nutrient indicator value: **4.9**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.08**

Disturbance frequency (herb layer): **1.92**  
Disturbance severity: **0.73**  
Disturbance severity (herb layer): **0.66**  
Mowing frequency: **0.41**  
Grazing pressure: **0.28**  
Soil disturbance: **0.47**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [FJ \(TRA\) \*Stipo-Trachynietea distachyae\*](#), [QA \(PAR\) \*Papaveretea rhoeadis\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [S72 Eastern Mediterranean spiny heath \(phrygana\)](#)

Constant species of EUNIS habitats: [R1D Mediterranean closely grazed dry grassland](#), [R1F Mediterranean annual-rich dry grassland](#), [R1R Mediterranean to Atlantic open, dry, acid and neutral grassland](#), [S34 Balkan-Anatolian submontane genistoid scrub](#), [S63 Eastern garrigue](#), [S72 Eastern Mediterranean spiny heath \(phrygana\)](#), [V13 Arable land with unmixed crops grown by low-intensity agricultural methods](#), [V32 Mediterranean subnitrophilous annual grassland](#), [V33 Dry Mediterranean land with unpalatable non-vernal herbaceous vegetation](#)

### Broad habitat

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

## Distribution

Continentality: **4**

Continentality amplitude: **4**