

# *Asperula arvensis*

## Habitus and growth type

Plant height [m]: **0.28**

Life span: **Annual**

Life form: **Therophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **22.54**

## Flower

Flowering period: **March-June**

## Fruit, seed and dispersal

Seed mass [mg]: **6.12**

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: **7.3**

Moisture indicator value: **3.9**

Reaction indicator value: **8.4**

Nutrient indicator value: **4.3**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.8**

Disturbance frequency (herb layer): **2.12**

Disturbance severity: **0.82**

Disturbance severity (herb layer): **0.82**

Mowing frequency: **0.66**

Grazing pressure: **0.18**

Soil disturbance: **0.71**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [QA \(PAR\) \*Papaveretea rhoeadis\*](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **6**