

Saponaria officinalis

Habitus and growth type

Plant height [m]: **0.5**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **23.35**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **1.73**

Dispersal mode: **Myrmecochory**

Dispersal distance class: **3**

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: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.3**

Moisture indicator value: **5.3**

Reaction indicator value: **7**

Nutrient indicator value: **5.4**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.84**

Disturbance frequency (herb layer): **1.56**

Disturbance severity: **0.66**

Disturbance severity (herb layer): **0.57**

Mowing frequency: **0.42**

Grazing pressure: **0.17**

Soil disturbance: **0.26**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [HA \(POP\) *Alno glutinosae-Populetea albae*](#), [QF \(ART\) *Artemisietea vulgaris*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region](#)

Constant species of EUNIS habitats: [U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region](#)

Broad habitat

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

Distribution

Continentality amplitude: 5