

Smyrniurn olusatrum

Habitus and growth type

Plant height [m]: **0.94**

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

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **39.6**

Flower

Flowering period: **January-May, December**

Fruit, seed and dispersal

Seed mass [mg]: **29.25**

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: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7**

Temperature indicator value: **8.8**

Moisture indicator value: **4.2**

Reaction indicator value: **6.8**

Nutrient indicator value: **7.8**

Salinity indicator value: **0.3**

Disturbance indicator values

Disturbance frequency: **0.64**

Disturbance frequency (herb layer): **1.58**

Disturbance severity: **0.72**

Disturbance severity (herb layer): **0.55**

Mowing frequency: **0.3**

Grazing pressure: **0.24**

Soil disturbance: **0.26**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [QC \(CHE\) *Chenopodietea*](#), [QG \(EPI\) *Epilobietea angustifolii*](#)

Broad habitat

Occurrence in broad habitats: **Wetland, Sparsely vegetated (incl. rock and scree), Synanthropic**