Smyrnium olusatrum

Habitus and growth type

Plant height [m]: **0.94**
Life span: **Biennial or short-lived**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/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**

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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**

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