Descurainia sophia

Habitus and growth type

Plant height [m]: **0.49**
Life span: **Annual**
Life form: **Therophyte**

Leaf

Specific leaf area [mm^2/mg]: **27.15**

Flower

Flowering period: **May-July**

Fruit, seed and dispersal

Seed mass [mg]: **0.11**
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: **Dry**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.8**
Moisture indicator value: **4.1**
Reaction indicator value: **6.8**
Nutrient indicator value: **6.3**
Salinity indicator value: **0.1**

Disturbance indicator values

Disturbance frequency: **1.7**
Disturbance frequency (herb layer): **2.02**

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Disturbance severity: **0.8**
Disturbance severity (herb layer): **0.79**
Mowing frequency: **0.59**
Grazing pressure: **0.16**
Soil disturbance: **0.67**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **QB (SIS) *Sisymbrietea***

EUNIS habitat

Diagnostic species of EUNIS habitats: **R65 Continental subsaline alluvial pasture and meadow**, **S67 Aralo-Caspian semi-desert**, **S68 Semi-desert sand dune with sparse scrub**, **S94 Semi-desert riparian scrub**

Constant species of EUNIS habitats: **R1C Desert steppe**, **R65 Continental subsaline alluvial pasture and meadow**, **S67 Aralo-Caspian semi-desert**, **S68 Semi-desert sand dune with sparse scrub**, **S94 Semi-desert riparian scrub**

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Saline vegetation, Semi-desert, Scrub, Forest, Synanthropic**

Distribution

Continentality: **7**
Continentality amplitude: **8**

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