

Descurainia sophia

Habitus and growth type

Plant height [m]: **0.49**

Life span: **Annual**

Life form: **Therophyte**

Leaf

Specific leaf area [mm²/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**

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: [S67 Aralo-Caspian semi-desert](#), [S68 Semi-desert sand dune with sparse scrub](#), [S94 Semi-desert riparian scrub](#)

Constant species of EUNIS habitats: [N1E Black Sea broad-leaved coastal dune forest](#), [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](#), [V37 Annual anthropogenic herbaceous vegetation](#)

Broad habitat

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

Distribution

Continentality: **7**

Continentality amplitude: **8**