

Matthiola sinuata

Habitus and growth type

Plant height [m]: **0.34**

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

Life form: **Hemicryptophyte**

Flower

Flowering period: **February-July**

Fruit, seed and dispersal

Seed mass [mg]: **1.67**

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: **Mesotrophic**

Ellenberg-type indicator values

Light indicator value: **9**

Temperature indicator value: **9.4**

Moisture indicator value: **3**

Reaction indicator value: **7.3**

Salinity indicator value: **2.8**

Disturbance indicator values

Disturbance frequency: **1.72**

Disturbance frequency (herb layer): **2.04**

Disturbance severity: **0.41**

Disturbance severity (herb layer): **0.39**

Mowing frequency: **0.01**

Grazing pressure: **0.14**

Soil disturbance: **0.66**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [N14 Mediterranean, Macaronesian and Black Sea shifting coastal dune](#), [N16 Mediterranean and Macaronesian coastal dune grassland \(grey dune\)](#), [N22 Mediterranean and Black Sea coastal shingle beach](#)

Broad habitat

Occurrence in broad habitats: **Coastal beach, dune or shingle, Sparsely vegetated (incl. rock and scree)**