

Alkanna tinctoria

Habitus and growth type

Plant height [m]: **0.18**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **31.44**

Flower

Flowering period: **March-June**

Fruit, seed and dispersal

Seed mass [mg]: **4.14**

Dispersal mode: **Local non-specific dispersal**

Dispersal distance class: **1**

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**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8**

Temperature indicator value: **9.7**

Moisture indicator value: **1.7**

Reaction indicator value: **7.3**

Salinity indicator value: **0.3**

Disturbance indicator values

Disturbance frequency: **0.86**

Disturbance frequency (herb layer): **1.71**

Disturbance severity: **0.61**

Disturbance severity (herb layer): **0.49**

Mowing frequency: **0.26**

Grazing pressure: **0.33**

Soil disturbance: **0.32**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [**CJ \(COR\) *Koelerio-Coryneporetea canescentis***](#)

Broad habitat

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