Isatis tinctoria

Habitus and growth type

Plant height [m]: **0.7**
Life span: **Biennial or short-lived**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **18.54**

Flower

Flowering period: **April-July**

Fruit, seed and dispersal

Seed mass [mg]: **4.48**
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: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.4**
Moisture indicator value: **3**
Reaction indicator value: **7.7**
Nutrient indicator value: **3.3**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.06**
Disturbance frequency (herb layer): **1.76**

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Disturbance severity: **0.62**
Disturbance severity (herb layer): **0.56**
Mowing frequency: **0.37**
Grazing pressure: **0.24**
Soil disturbance: **0.34**

Habitat and sociology

Broad habitat

Occurrence in broad habitats: **Wetland, Grassland (non-alpine, non-saline), Sparsely vegetated (incl. rock and scree), Synanthropic**

Distribution

Continentality: **6**
Continentality amplitude: **6**

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