

# *Datura stramonium*

## Habitus and growth type

Plant height [m]: **1.01**

Life span: **Annual**

Life form: **Therophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **28.3**

## Flower

Flowering period: **June-October**

## Fruit, seed and dispersal

Seed mass [mg]: **8.67**

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

Dispersal distance class: **2, 7**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## Taxon origin

Origin in Europe: **Neophyte**

## Ecology

### Environmental relationships

Substrate humidity relationship: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Slightly saline or brackish**

### Ellenberg-type indicator values

Light indicator value: **8.1**

Reaction indicator value: **6.6**

Nutrient indicator value: **7.9**

Salinity indicator value: **0.7**

### Disturbance indicator values

Disturbance frequency: **1.65**

Disturbance frequency (herb layer): **2.01**

Disturbance severity: **0.85**

Disturbance severity (herb layer): **0.84**

Mowing frequency: **0.84**

Grazing pressure: **0.13**

Soil disturbance: **0.72**

## **Habitat and sociology**

Syntaxon

Diagnostic species of phytosociological classes: [QB \(SIS\) Sisymbrietea](#)

Broad habitat

Occurrence in broad habitats: **Sparsely vegetated (incl. rock and scree),**

**Synanthropic**

## **Distribution**

Continentality amplitude: **8**