

# ***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**