

# *Xanthium spinosum*

## Habitus and growth type

Plant height [m]: **0.55**

Life span: **Annual**

Life form: **Therophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **16.54**

## Flower

Flowering period: **June-October**

## Fruit, seed and dispersal

Seed mass [mg]: **177.83**

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 reaction relationship: **Slightly acidic to near-neutral**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.1**

Temperature indicator value: **8**

Moisture indicator value: **4.2**

Reaction indicator value: **6.5**

Salinity indicator value: **0.4**

### Disturbance indicator values

Disturbance frequency: **1.78**

Disturbance frequency (herb layer): **1.93**

Disturbance severity: **0.81**

Disturbance severity (herb layer): **0.8**

Mowing frequency: **0.79**

Grazing pressure: **0.16**

Soil disturbance: **0.64**

## **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**