

# *Onopordum acanthium*

## Habitus and growth type

Plant height [m]: **1.15**

Life span: **Biennial or short-lived**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **14.25**

## Flower

Flowering period: **June-August**

## Fruit, seed and dispersal

Seed mass [mg]: **10.22**

Dispersal mode: **Myrmecochory**

Dispersal distance class: **3**

## 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: **Eutrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.6**

Moisture indicator value: **3.6**

Reaction indicator value: **6.9**

Nutrient indicator value: **7.6**

Salinity indicator value: **0.2**

### Disturbance indicator values

Disturbance frequency: **1.47**

Disturbance frequency (herb layer): **1.8**

Disturbance severity: **0.79**

Disturbance severity (herb layer): **0.77**

Mowing frequency: **0.96**

Grazing pressure: **0.14**

Soil disturbance: **0.41**

### **Habitat and sociology**

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Synanthropic**

### **Distribution**

Continentality amplitude: 7