

# *Helianthus annuus*

## Habitus and growth type

Plant height [m]: **2.17**

Life span: **Annual**

Life form: **Therophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **19.43**

## Flower

Flowering period: **June-October**

## Fruit, seed and dispersal

Seed mass [mg]: **38.8**

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: **Mesic**

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

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.8**

Moisture indicator value: **5.3**

Reaction indicator value: **6.3**

Nutrient indicator value: **7.3**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **2.26**

Disturbance frequency (herb layer): **2.26**

Disturbance severity: **0.8**

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

Mowing frequency: **0.7**

Grazing pressure: **0.17**

Soil disturbance: **0.75**

## **Habitat and sociology**

### Syntaxon

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

### EUNIS habitat

Diagnostic species of EUNIS habitats: [V12 Mixed crops of market gardens and horticulture](#)

### Broad habitat

Occurrence in broad habitats: **Synanthropic**