

# *Calystegia sepium*

## Habitus and growth type

Plant height [m]: **1.35**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte, Herbaceous liana**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **37.05**

## Flower

Flowering period: **April-September**

## Fruit, seed and dispersal

Seed mass [mg]: **27.25**

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

Dispersal distance class: **2**

## 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: **Wet**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Hypertrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.8**

Temperature indicator value: **5.8**

Moisture indicator value: **7**

Reaction indicator value: **7**

Nutrient indicator value: **7.9**

Salinity indicator value: **0.4**

### Disturbance indicator values

Disturbance frequency: **0.86**

Disturbance frequency (herb layer): **1.43**  
Disturbance severity: **0.53**  
Disturbance severity (herb layer): **0.45**  
Mowing frequency: **0.45**  
Grazing pressure: **0.17**  
Soil disturbance: **0.21**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [HA \(POP\) \*Alno glutinosae-Populetea albae\*](#), [OD \(PHR\) \*Phragmito-Magnocaricetea\*](#), [QG \(EPI\) \*Epilobietea angustifolii\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T11 Temperate Salix and Populus riparian forest](#)

Constant species of EUNIS habitats: [N1E Black Sea broad-leaved coastal dune forest](#), [N1J Mediterranean and Black Sea moist and wet dune slack](#), [Q51 Tall-helophyte bed](#), [R55 Lowland moist or wet tall-herb and fern fringe](#), [S32 Temperate Rubus scrub](#), [S91 Temperate riparian scrub](#), [T11 Temperate Salix and Populus riparian forest](#), [T14 Mediterranean and Macaronesian riparian forest](#), [V39 Mesic perennial anthropogenic herbaceous vegetation](#)

### Broad habitat

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

## Distribution

Continentality amplitude: 7