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^2/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**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

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: **R55 Lowland moist or wet tall-herb and fern fringe, T11 Temperate Salix and Populus riparian forest**
Constant species of EUNIS habitats: **N1E Black Sea broad-leaved coastal dune forest, 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, 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**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz