Ceratophyllum demersum

Habitus and growth type

Plant height [m]: **1.08**
Life span: **Perennial**
Life form: **Hydrophyte**

Leaf

Specific leaf area [mm^2/mg]: **25.48**

Flower

Flowering period: **May-September**

Fruit, seed and dispersal

Seed mass [mg]: **2.74**
Dispersal mode: **Epizoochory**
Dispersal distance class: **6**

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: **Water**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.2**
Moisture indicator value: **11.9**
Reaction indicator value: **7.8**
Nutrient indicator value: **7.8**
Salinity indicator value: **0.3**

Disturbance indicator values

Disturbance frequency: **1.6**
Disturbance frequency (herb layer): **1.6**

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

Disturbance severity: **0.27**
Disturbance severity (herb layer): **0.27**
Mowing frequency: **0.05**
Grazing pressure: **0.02**
Soil disturbance: **0.02**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **NB (POT) *Potamogetonetea***

EUNIS habitat

Diagnostic species of EUNIS habitats: **P3b Fresh-water small pleustophyte vegetation**, **P3c Fresh-water large pleustophyte vegetation**, **P3d Fresh-water submerged vegetation**, **P3e Fresh-water nymphaeid vegetation**

Constant species of EUNIS habitats: **P3b Fresh-water small pleustophyte vegetation**, **P3c Fresh-water large pleustophyte vegetation**, **P3d Fresh-water submerged vegetation**, **P3e Fresh-water nymphaeid vegetation**

Dominant species of EUNIS habitats: **P3c Fresh-water large pleustophyte vegetation**, **P3d Fresh-water submerged vegetation**

Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland**

Distribution

Continentality amplitude: **8**

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