Menyanthes trifoliata

Habitus and growth type

Plant height [m]: **0.26**
Life span: **Perennial**
Life form: **Hemicryptophyte, Geophyte, Hydrophyte**

Leaf

Specific leaf area [mm^2/mg]: **23.68**

Flower

Flowering period: **April-June**

Fruit, seed and dispersal

Seed mass [mg]: **2.69**
Dispersal mode: **Endozoochory**
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: **Wet**
Substrate reaction relationship: **Acidic**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.8**
Temperature indicator value: **4.8**
Moisture indicator value: **9.6**
Reaction indicator value: **4.3**
Nutrient indicator value: **2.5**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.08**

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

Disturbance frequency (herb layer): **1.47**
Disturbance severity: **0.25**
Disturbance severity (herb layer): **0.19**
Mowing frequency: **0.23**
Grazing pressure: **0.11**
Soil disturbance: **0.15**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **IA (ALN) *Alnetea glutinosae***, **PA (SCH) *Scheuchzerio palustris-Caricetea fuscae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **Q24 Intermediate fen and soft-water spring mire**, **Q25 Non-calcareous quaking mire**, **Q42 Extremely rich moss-sedge fen**, **Q43 Tall-sedge base-rich fen**, **Q44 Calcareous quaking mire**
Constant species of EUNIS habitats: **Q22 Poor fen**, **Q24 Intermediate fen and soft-water spring mire**, **Q25 Non-calcareous quaking mire**, **Q41 Alkaline, calcareous, carbonate-rich small-sedge spring fen**, **Q42 Extremely rich moss-sedge fen**, **Q43 Tall-sedge base-rich fen**, **Q44 Calcareous quaking mire**
Dominant species of EUNIS habitats: **Q24 Intermediate fen and soft-water spring mire**, **Q42 Extremely rich moss-sedge fen**, **Q44 Calcareous quaking mire**

Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland, Mire, Scrub, Forest**

Distribution

Continentality amplitude: **8**

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