Marsilea quadrifolia

Habitus and growth type

Plant height [m]: **0.14**
Life span: **Perennial**
Life form: **Hydrophyte**

Flower

Flowering period: **May-September**

Fruit, seed and dispersal

Dispersal mode: **Hydrochory**

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: **8**
Temperature indicator value: **7.8**
Moisture indicator value: **10**
Reaction indicator value: **6.8**
Nutrient indicator value: **6**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.68**
Disturbance frequency (herb layer): **1.68**
Disturbance severity: **0.42**
Disturbance severity (herb layer): **0.42**
Mowing frequency: **0.18**
Grazing pressure: **0.08**

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Soil disturbance: **0.2**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **OB (LIT) *Littorelletea uniflorae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **V14 Inundated or inundatable cropland, including rice fields**

Broad habitat

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

Distribution

Continentality amplitude: **5**

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