

# *Nuphar lutea*

## Habitus and growth type

Plant height [m]: **0.88**

Life span: **Perennial**

Life form: **Hydrophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **15.9**

## Flower

Flowering period: **May-September**

## Fruit, seed and dispersal

Seed mass [mg]: **28.76**

Dispersal mode: **Anthropochory, Hydrochory**

Dispersal distance class: **7**

## 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: **7.7**

Temperature indicator value: **5.7**

Moisture indicator value: **11.1**

Reaction indicator value: **6.8**

Nutrient indicator value: **6.7**

Salinity indicator value: **0.2**

### Disturbance indicator values

Disturbance frequency: **1.59**

Disturbance frequency (herb layer): **1.6**  
Disturbance severity: **0.27**  
Disturbance severity (herb layer): **0.27**  
Mowing frequency: **0.06**  
Grazing pressure: **0.01**  
Soil disturbance: **0.02**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [NB \(POT\) \*Potamogetonetea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [P3c Fresh-water large pleustophyte vegetation](#), [P3e Fresh-water nymphaeid vegetation](#)

Constant species of EUNIS habitats: [P3c Fresh-water large pleustophyte vegetation](#), [P3e Fresh-water nymphaeid vegetation](#)

Dominant species of EUNIS habitats: [P3e Fresh-water nymphaeid vegetation](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **7**