

# ***Butomus umbellatus***

## **Habitus and growth type**

Plant height [m]: **0.9**

Life span: **Perennial**

Life form: **Geophyte, Hydrophyte**

## **Leaf**

Specific leaf area [mm<sup>2</sup>/mg]: **10.16**

## **Flower**

Flowering period: **March-July**

## **Fruit, seed and dispersal**

Seed mass [mg]: **0.18**

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: **6.6**

Temperature indicator value: **6**

Moisture indicator value: **10.1**

Reaction indicator value: **6.8**

Nutrient indicator value: **7**

Salinity indicator value: **0.2**

### **Disturbance indicator values**

Disturbance frequency: **1.71**

Disturbance frequency (herb layer): **1.74**

Disturbance severity: **0.27**

Disturbance severity (herb layer): **0.27**

Mowing frequency: **0.17**

Grazing pressure: **0.08**

Soil disturbance: **0.07**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [\*\*OD \(PHR\) \*Phragmito-Magnocaricetea\*\*\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [\*\*V14 Inundated or inundatable cropland, including rice fields\*\*](#)

Constant species of EUNIS habitats: [\*\*V14 Inundated or inundatable cropland, including rice fields\*\*](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **8**