

# *Acorus calamus*

## Habitus and growth type

Plant height [m]: **0.82**

Life span: **Perennial**

Life form: **Geophyte, Hydrophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **25.58**

## Flower

Flowering period: **April-June**

## Fruit, seed and dispersal

Seed mass [mg]: **2.62**

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: **neophyte**

## 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: **6.3**

Moisture indicator value: **9.8**

Reaction indicator value: **7**

Nutrient indicator value: **7.2**

Salinity indicator value: **0.2**

### Disturbance indicator values

Disturbance frequency: **1.53**

Disturbance frequency (herb layer): **1.79**  
Disturbance severity: **0.26**  
Disturbance severity (herb layer): **0.25**  
Mowing frequency: **0.54**  
Grazing pressure: **0.12**  
Soil disturbance: **0.1**

## **Habitat and sociology**

### Syntaxon

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

### EUNIS habitat

Diagnostic species of EUNIS habitats: [Q51 Tall-helophyte bed](#)

### Broad habitat

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

## **Distribution**

Continentality: **5**

Continentality amplitude: **4**