

# *Phragmites australis*

## Habitus and growth type

Plant height [m]: **2.7**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte, Hydrophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **11.07**

## Flower

Flowering period: **May-October**

## Fruit, seed and dispersal

Seed mass [mg]: **0.11**

Dispersal mode: **Anemochory**

Dispersal distance class: **5**

## 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: **Slightly saline or brackish**

### Ellenberg-type indicator values

Light indicator value: **7.2**

Moisture indicator value: **9.7**

Reaction indicator value: **6.9**

Nutrient indicator value: **6.1**

Salinity indicator value: **1.6**

### Disturbance indicator values

Disturbance frequency: **1.08**

Disturbance frequency (herb layer): **1.6**

Disturbance severity: **0.38**

Disturbance severity (herb layer): **0.33**

Mowing frequency: **0.38**

Grazing pressure: **0.17**

Soil disturbance: **0.15**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [IA \(ALN\) \*Alnetea glutinosae\*](#), [OD \(PHR\) \*Phragmito-Magnocaricetea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [MA232 Baltic coastal meadow](#), [MA252 Mediterranean upper-mid saltmarsh and saline and brackish reed, rush and sedge bed](#), [N1E Black Sea broad-leaved coastal dune forest](#), [Q43 Tall-sedge base-rich fen](#), [Q51 Tall-helophyte bed](#), [Q54 Inland saline or brackish helophyte bed](#)

Constant species of EUNIS habitats: [MA222 Atlantic upper saltmarsh](#), [MA232 Baltic coastal meadow](#), [MA241 Black Sea littoral saltmarsh](#), [MA252 Mediterranean upper-mid saltmarsh and saline and brackish reed, rush and sedge bed](#), [N1E Black Sea broad-leaved coastal dune forest](#), [N1H Atlantic and Baltic moist and wet dune slack](#), [N1J Mediterranean and Black Sea moist and wet dune slack](#), [N35 Mediterranean and Black Sea soft sea cliff](#), [P3c Fresh-water large pleustophyte vegetation](#), [P3e Fresh-water nymphaeid vegetation](#), [P3f Oligotrophic-water vegetation](#), [P3h Stonewort vegetation](#), [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](#), [Q51 Tall-helophyte bed](#), [Q52 Small-helophyte bed](#), [Q53 Tall-sedge bed](#), [Q54 Inland saline or brackish helophyte bed](#), [R31 Mediterranean tall humid inland grassland](#), [R35 Moist or wet mesotrophic to eutrophic hay meadow](#), [R37 Temperate and boreal moist or wet oligotrophic grassland](#), [R63 Temperate inland salt marsh](#), [S92 Salix fen scrub](#), [S93 Mediterranean riparian scrub](#), [S94 Semi-desert riparian scrub](#), [T11 Temperate Salix and Populus riparian forest](#), [T15 Broadleaved swamp forest on non-acid peat](#), [T16 Broadleaved mire forest on acid peat](#), [V14 Inundated or inundatable cropland, including rice fields](#)

Dominant species of EUNIS habitats: [MA252 Mediterranean upper-mid saltmarsh and saline and brackish reed, rush and sedge bed](#), [N1H Atlantic and Baltic moist and wet dune slack](#), [Q51 Tall-helophyte bed](#), [Q54 Inland saline or brackish helophyte bed](#)

### Broad habitat

Occurrence in broad habitats: **Coastal saltmarsh, Coastal cliff, Aquatic, Wetland, Mire, Grassland (non-alpine, non-saline), Saline vegetation, Scrub, Forest, Synanthropic**

## Distribution

Continentality amplitude: **9**