

# *Lythrum salicaria*

## Habitus and growth type

Plant height [m]: **0.84**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **27.06**

## Flower

Flowering period: **May-September**

## Fruit, seed and dispersal

Seed mass [mg]: **0.07**

Dispersal mode: **Local non-specific dispersal**

Dispersal distance class: **2**

## 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: **Wet**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Slightly saline or brackish**

### Ellenberg-type indicator values

Light indicator value: **7.3**

Temperature indicator value: **5.3**

Moisture indicator value: **8.6**

Reaction indicator value: **6.4**

Nutrient indicator value: **5.3**

Salinity indicator value: **0.6**

### Disturbance indicator values

Disturbance frequency: **0.96**

Disturbance frequency (herb layer): **1.59**  
Disturbance severity: **0.44**  
Disturbance severity (herb layer): **0.37**  
Mowing frequency: **0.44**  
Grazing pressure: **0.17**  
Soil disturbance: **0.14**

## Habitat and sociology

### Syntaxon

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

### EUNIS habitat

Diagnostic species of EUNIS habitats: [Q46 Carpathian travertine fen with halophytes](#), [Q51 Tall-helophyte bed](#), [Q53 Tall-sedge bed](#), [T15 Broadleaved swamp forest on non-acid peat](#)

Constant species of EUNIS habitats: [N1H Atlantic and Baltic moist and wet dune slack](#), [N1J Mediterranean and Black Sea moist and wet dune slack](#), [Q46 Carpathian travertine fen with halophytes](#), [Q51 Tall-helophyte bed](#), [Q52 Small-helophyte bed](#), [Q53 Tall-sedge bed](#), [Q54 Inland saline or brackish helophyte bed](#), [Q61 Periodically exposed shore with stable, eutrophic sediments with pioneer or ephemeral vegetation](#), [R31 Mediterranean tall humid inland grassland](#), [R35 Moist or wet mesotrophic to eutrophic hay meadow](#), [R36 Moist or wet mesotrophic to eutrophic pasture](#), [R37 Temperate and boreal moist or wet oligotrophic grassland](#), [R55 Lowland moist or wet tall-herb and fern fringe](#), [S92 Salix fen scrub](#), [T11 Temperate Salix and Populus riparian forest](#), [T13 Temperate hardwood riparian forest](#), [T15 Broadleaved swamp forest on non-acid peat](#)

### Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland, Mire, Grassland (non-alpine, non-saline), Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

## Distribution

Continentality amplitude: **8**