# *Lycopus europaeus*

## Habitus and growth type

Plant height [m]: **0.54**
Life span: **Perennial**
Life form: **Hemicryptophyte, Geophyte**

## Leaf

Specific leaf area [$mm^2$/mg]: **63.18**

## Flower

Flowering period: **May-September**

## Fruit, seed and dispersal

Seed mass [mg]: **0.25**
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: **Wet**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.1**
Moisture indicator value: **9.1**
Reaction indicator value: **6.5**
Nutrient indicator value: **6.5**
Salinity indicator value: **0.1**

### Disturbance indicator values

Disturbance frequency: **0.69**
Disturbance frequency (herb layer): **1.51**

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Disturbance severity: **0.46**
Disturbance severity (herb layer): **0.34**
Mowing frequency: **0.26**
Grazing pressure: **0.16**
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: **T15 Broadleaved swamp forest on non-acid peat**

Constant species of EUNIS habitats: **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**, **S92 Salix fen scrub**, **T11 Temperate Salix and Populus riparian forest**, **T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils**, **T13 Temperate hardwood riparian forest**, **T15 Broadleaved swamp forest on non-acid peat**

### Broad habitat

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

## Distribution

Continentality amplitude: **8**

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