

# *Athyrium filix-femina*

## Habitus and growth type

Plant height [m]: **0.77**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **12.1**

## Flower

Flowering period: **May-September**

## Fruit, seed and dispersal

Dispersal mode: **Anemochory**

Dispersal distance class: **3**

## 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: **Non-saline**

### Ellenberg-type indicator values

Reaction indicator value: **5.3**

Nutrient indicator value: **5.6**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.09**

Disturbance frequency (herb layer): **1.3**

Disturbance severity: **0.68**

Disturbance severity (herb layer): **0.18**

Mowing frequency: **0.02**

Grazing pressure: **0.19**

Soil disturbance: **0.11**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [BB \(ASA\) \*Asaro europaei-Abietetea sibiricae\*](#), [CA \(FAG\) \*Carpino-Fagetea sylvatica\*](#), [GC \(LAU\) \*Pruno lusitanicae-Lauretea azoricae\*](#), [GD \(AZO\) \*Lauro azoricae-Juniperetea brevifoliae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T12 \*Alnus glutinosa-Alnus incana forest on riparian and mineral soils\*](#), [T15 \*Broadleaved swamp forest on non-acid peat\*](#), [T17 \*Fagus forest on non-acid soils\*](#), [T1F \*Ravine forest\*](#), [T31 \*Temperate mountain Picea forest\*](#), [T32 \*Temperate mountain Abies forest\*](#)

Constant species of EUNIS habitats: [R1T \*Azorean open, dry, acid to neutral grassland\*](#), [R56 \*Montane to subalpine moist or wet tall-herb and fern fringe\*](#), [S25 \*Subalpine and subarctic deciduous scrub\*](#), [S37 \*Corylus avellana scrub\*](#), [S38 \*Temperate forest clearing scrub\*](#), [T12 \*Alnus glutinosa-Alnus incana forest on riparian and mineral soils\*](#), [T13 \*Temperate hardwood riparian forest\*](#), [T15 \*Broadleaved swamp forest on non-acid peat\*](#), [T17 \*Fagus forest on non-acid soils\*](#), [T18 \*Fagus forest on acid soils\*](#), [T1D \*Southern European mountain Betula and Populus tremula forest on mineral soils\*](#), [T1E \*Carpinus and Quercus mesic deciduous forest\*](#), [T1F \*Ravine forest\*](#), [T22 \*Mainland laurophyllous forest\*](#), [T31 \*Temperate mountain Picea forest\*](#), [T32 \*Temperate mountain Abies forest\*](#), [T3F \*Dark taiga\*](#)

### Broad habitat

Occurrence in broad habitats: **Spring, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Scrub, Forest, Sparsely vegetated (incl. rock and scree), Synanthropic**

## Distribution

Continentality amplitude: **6**