

Athyrium filix-femina

Habitus and growth type

Plant height [m]: **0.77**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/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**