

Pteridium aquilinum

Habitus and growth type

Plant height [m]: **1.41**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

Leaf

Specific leaf area [mm²/mg]: **18.45**

Flower

Flowering period: **April-September**

Fruit, seed and dispersal

Seed mass [mg]: **0**

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: **Mesic**

Substrate reaction relationship: **Acidic**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.4**

Moisture indicator value: **5.2**

Reaction indicator value: **3.4**

Nutrient indicator value: **3**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.13**

Disturbance frequency (herb layer): **1.32**

Disturbance severity: **0.64**

Disturbance severity (herb layer): **0.17**

Mowing frequency: **0.06**

Grazing pressure: **0.21**

Soil disturbance: **0.13**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [CC \(QUE\) *Quercetea robori-petraeae*](#), [CE \(LON\) *Lonicero-Rubetea plicati*](#), [CI \(NAR\) *Nardetea strictae*](#), [FE \(CYT\) *Cytisetea scopario-striati*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [R54 *Pteridium aquilinum* vegetation](#), [T1B *Acidophilous Quercus* forest](#), [T1G *Alnus cordata* forest](#)

Constant species of EUNIS habitats: [R52 Forest fringe of acidic nutrient-poor soils](#), [R53 Macaronesian thermophilous forest fringe](#), [R54 *Pteridium aquilinum* vegetation](#), [S33 Lowland to montane temperate and submediterranean genistoid scrub](#), [S37 *Corylus avellana* scrub](#), [S38 Temperate forest clearing scrub](#), [S42 Dry heath](#), [S43 Macaronesian heath](#), [S64 Macaronesian garrigue](#), [T14 Mediterranean and Macaronesian riparian forest](#), [T18 *Fagus* forest on acid soils](#), [T1A Mediterranean thermophilous deciduous forest](#), [T1B *Acidophilous Quercus* forest](#), [T1D Southern European mountain *Betula* and *Populus tremula* forest on mineral soils](#), [T1E *Carpinus* and *Quercus* mesic deciduous forest](#), [T1G *Alnus cordata* forest](#), [T22 Mainland laurophyllous forest](#), [T23 Macaronesian laurophyllous forest](#), [T27 *Ilex aquifolium* forest](#), [T28 Macaronesian heathy forest](#), [T29 Broadleaved evergreen plantation of non site-native trees](#), [T32 Temperate mountain *Abies* forest](#), [T33 Mediterranean mountain *Abies* forest](#), [T35 Temperate continental *Pinus sylvestris* forest](#), [T37 Mediterranean montane *Pinus sylvestris*-*Pinus nigra* forest](#), [T3A Mediterranean lowland to submontane *Pinus* forest](#), [T3F Dark taiga](#), [T3G *Pinus sylvestris* light taiga](#), [T3M Coniferous plantation of non site-native trees](#)

Dominant species of EUNIS habitats: [R54 *Pteridium aquilinum* vegetation](#), [T1G *Alnus cordata* forest](#)

Broad habitat

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

Distribution

Continentality amplitude: **5**