

# ***Pteridium aquilinum***

## **Habitus and growth type**

Plant height [m]: **1.41**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

## **Leaf**

Specific leaf area [mm<sup>2</sup>/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 \(CYT\) \*Cytisetetea 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**