

# *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**, **T27 *Ilex aquifolium* forest**, **T37 *Mediterranean montane Pinus sylvestris*-*Pinus nigra* forest**

Constant species of EUNIS habitats: **R24 *Iberian summer pasture (vallicar)***, **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***, **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**, **S43 *Macaronesian heath***, **T1B *Acidophilous Quercus* forest**, **T1D *Southern European mountain Betula and Populus tremula* forest on mineral soils**, **T1G *Alnus cordata* forest**, **T27 *Ilex aquifolium* forest**, **T29 *Broadleaved evergreen plantation of non site-native trees***, **T37 *Mediterranean montane Pinus sylvestris*-*Pinus nigra* forest**, **T3M *Coniferous plantation of non site-native trees***

### 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