Polystichum aculeatum

Habitus and growth type

Plant height [m]: **0.63**
Life span: **Perennial**
Life form: **Hemicryptophyte, Geophyte**

Leaf

Specific leaf area [mm^2/mg]: **13.99**

Flower

Flowering period: **April-October**

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: **Mesic**
Substrate reaction relationship: **Slightly acidic to near-neutral**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **3.6**
Temperature indicator value: **5.5**
Moisture indicator value: **6**
Reaction indicator value: **6.6**
Nutrient indicator value: **6.1**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.04**
Disturbance frequency (herb layer): **1.29**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

Disturbance severity: **0.69**
Disturbance severity (herb layer): **0.13**
Mowing frequency: **0**
Grazing pressure: **0.18**
Soil disturbance: **0.1**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CA (FAG) *Carpino-Fagetea sylvaticae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **T17 Fagus forest on non-acid soils**, **T1F Ravine forest**, **T32 Temperate mountain Abies forest**
Constant species of EUNIS habitats: **T17 Fagus forest on non-acid soils**, **T1F Ravine forest**, **T32 Temperate mountain Abies forest**

Broad habitat

Occurrence in broad habitats: **Wetland, Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality: **4**
Continentality amplitude: **4**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz