Abies alba

Habitus and growth type

Plant height [m]: **41.8**
Life span: **Perennial**
Life form: **Phanerophyte, Tree**

Leaf

Leaf type (woody plants only): **Needle-like**
Leaf phenology (woody plants only): **Evergreen**
Specific leaf area [mm^2/mg]: **5.66**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **72.87**
Dispersal mode: **Anemochory, Anthropochory**
Dispersal distance class: **4, 7**

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

Temperature indicator value: **4.7**
Moisture indicator value: **6.1**
Reaction indicator value: **5.3**
Nutrient indicator value: **5.5**
Salinity indicator value: **0**

Disturbance indicator values

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Disturbance frequency: **0.02**
Disturbance frequency (herb layer): **1.3**
Disturbance severity: **0.7**
Disturbance severity (herb layer): **0.12**
Mowing frequency: **0**
Grazing pressure: **0.2**
Soil disturbance: **0.11**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **BA (PIC) *Vaccinio-Piceetea***, **CA (FAG) *Carpino-Fagetea sylvaticae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **T17 Fagus forest on non-acid soils**, **T31 Temperate mountain Picea forest**, **T32 Temperate mountain Abies forest**, **T33 Mediterranean mountain Abies forest**

Constant species of EUNIS habitats: **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**, **T1F Ravine forest**, **T31 Temperate mountain Picea forest**, **T32 Temperate mountain Abies forest**, **T33 Mediterranean mountain Abies forest**, **T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest**, **T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest**

Dominant species of EUNIS habitats: **T32 Temperate mountain Abies forest**, **T33 Mediterranean mountain Abies forest**

Broad habitat

Occurrence in broad habitats: **Forest**

Distribution

Continentality: **5**
Continentality amplitude: **3**

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