Picea abies

Habitus and growth type

Plant height [m]: **35.97**
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]: **6.85**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **6.61**
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: **Acidic**
Nutrient relationship: **Mesotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **5.6**
Temperature indicator value: **3.4**
Moisture indicator value: **5.8**
Reaction indicator value: **3.8**
Nutrient indicator value: **4.2**
Salinity indicator value: **0**

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Disturbance indicator values

Disturbance frequency: **0.07**
Disturbance frequency (herb layer): **1.26**
Disturbance severity: **0.68**
Disturbance severity (herb layer): **0.14**
Mowing frequency: **0.02**
Grazing pressure: **0.19**
Soil disturbance: **0.12**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **BA (PIC) *Vaccinio-Piceetea***

EUNIS habitat

Diagnostic species of EUNIS habitats: **T31 Temperate mountain Picea forest**, **T32 Temperate mountain Abies forest**, **T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest**, **T3F Dark taiga**, **T3G Pinus sylvestris light taiga**, **T3H Larix light taiga**, **T3J Pinus and Larix mire forest**, **T3K Picea mire forest**
Constant species of EUNIS habitats: **N1F Baltic coniferous coastal dune forest**, **Q11 Raised bog**, **S25 Subalpine and subarctic deciduous scrub**, **S26 Subalpine Pinus mugo scrub**, **S38 Temperate forest clearing scrub**, **T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils**, **T15 Broadleaved swamp forest on non-acid peat**, **T16 Broadleaved mire forest on acid peat**, **T17 Fagus forest on non-acid soils**, **T18 Fagus forest on acid soils**, **T1C Temperate and boreal mountain Betula and Populus tremula forest on mineral soils**, **T1F Ravine forest**, **T31 Temperate mountain Picea forest**, **T32 Temperate mountain Abies forest**, **T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest**, **T35 Temperate continental Pinus sylvestris forest**, **T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest**, **T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest**, **T3F Dark taiga**, **T3G Pinus sylvestris light taiga**, **T3H Larix light taiga**, **T3J Pinus and Larix mire forest**, **T3K Picea mire forest**, **T3M Coniferous plantation of non site-native trees**
Dominant species of EUNIS habitats: **T31 Temperate mountain Picea forest**, **T32 Temperate mountain Abies forest**, **T3F Dark taiga**, **T3H Larix light taiga**, **T3K Picea mire forest**, **T3M Coniferous plantation of non site-native trees**

Broad habitat

Occurrence in broad habitats: **Scrub, Forest, Synanthropic**

Distribution

Continentality: **5**
Continentality amplitude: **4**

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