Pinus sylvestris

Habitus and growth type

Plant height [m]: **28.15**
Life span: **Perennial**
Life form: **Phanerophyte, Tree**
Spinescence: **spinescent**

Leaf

Leaf type (woody plants only): **Needle-like**
Leaf phenology (woody plants only): **Evergreen**
Specific leaf area [mm^2/mg]: **5.89**

Flower

Flowering period: **April-July**

Fruit, seed and dispersal

Seed mass [mg]: **6.58**
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: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.2**
Moisture indicator value: **5.2**
Reaction indicator value: **3.8**
Nutrient indicator value: **2**
Salinity indicator value: **0**

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Disturbance indicator values

Disturbance frequency: **0.15**
Disturbance frequency (herb layer): **1.37**
Disturbance severity: **0.67**
Disturbance severity (herb layer): **0.16**
Mowing frequency: **0.04**
Grazing pressure: **0.21**
Soil disturbance: **0.18**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **BA (PIC) *Vaccinio-Piceetea***, **BC (BRA) *Brachypodio pinnati-Betuletea pendulae***, **BD (PYR) *Pyrolo-Pinetea sylvestris***, **CN (SAB) *Junipero-Pinetea sylvestris***, **CO (ERI) *Erico-Pinetea***

EUNIS habitat

Diagnostic species of EUNIS habitats: **N1F Baltic coniferous coastal dune forest**, **T35 Temperate continental Pinus sylvestris forest**, **T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest**, **T3F Dark taiga**, **T3G Pinus sylvestris light taiga**, **T3H Larix light taiga**, **T3J Pinus and Larix mire forest**, **T3M Coniferous plantation of non site-native trees**

Constant species of EUNIS habitats: **N1F Baltic coniferous coastal dune forest**, **Q11 Raised bog**, **Q21 Oceanic valley mire**, **Q22 Poor fen**, **R1P Oceanic to subcontinental inland sand grassland on dry acid and neutral soils**, **R1Q Inland sanddrift and dune with siliceous grassland**, **S38 Temperate forest clearing scrub**, **S41 Wet heath**, **S42 Dry heath**, **S52 Submediterranean pseudomaquis**, **T16 Broadleaved mire forest on acid peat**, **T18 Fagus forest on acid soils**, **T1B Acidophilous Quercus forest**, **T1D Southern European mountain Betula and Populus tremula forest on mineral soils**, **T32 Temperate mountain Abies forest**, **T35 Temperate continental Pinus sylvestris forest**, **T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest**, **T37 Mediterranean 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: **N1F Baltic coniferous coastal dune forest**, **T35 Temperate continental Pinus sylvestris forest**, **T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest**, **T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest**, **T3F Dark taiga**, **T3G Pinus sylvestris light taiga**, **T3H Larix light taiga**, **T3J Pinus and Larix mire forest**, **T3M Coniferous plantation of non site-native trees**

Broad habitat

Occurrence in broad habitats: **Mire, Grassland (non-alpine, non-saline), Heathland, Oromediterranean scrub, Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality: **6**
Continentality amplitude: **5**

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