

# *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<sup>2</sup>/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**

## 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](#)**

### 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**