

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 [mm²/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](#)**, **[T3G *Pinus sylvestris* light taiga](#)**, **[T3J *Pinus* and *Larix* mire forest](#)**

Constant species of EUNIS habitats: **[N1D Atlantic and Baltic broad-leaved coastal dune forest](#)**, **[N1F Baltic coniferous coastal dune forest](#)**, **[Q11 Raised bog](#)**, **[Q42 Extremely rich moss-sedge fen](#)**, **[R1Q Inland sanddrift and dune with siliceous grassland](#)**, **[S38 Temperate forest clearing scrub](#)**, **[S41 Wet heath](#)**, **[S42 Dry heath](#)**, **[S52 Submediterranean pseudomaquis](#)**, **[S73 Western Mediterranean mountain hedgehog-heath](#)**, **[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](#)**, **[T3G *Pinus sylvestris* 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**