

Pinus nigra

Habitus and growth type

Plant height [m]: **31.62**

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]: **6.71**

Flower

Flowering period: **April-July**

Fruit, seed and dispersal

Seed mass [mg]: **20.2**

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: **Dry**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.1**

Moisture indicator value: **3.5**

Nutrient indicator value: **2.3**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.12**

Disturbance frequency (herb layer): **1.31**

Disturbance severity: **0.73**

Disturbance severity (herb layer): **0.17**

Mowing frequency: **0.02**

Grazing pressure: **0.21**

Soil disturbance: **0.17**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [T1D Southern European mountain Betula and Populus tremula forest on mineral soils](#), [T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest](#), [T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest](#)

Constant species of EUNIS habitats: [T1D Southern European mountain Betula and Populus tremula forest on mineral soils](#), [T33 Mediterranean mountain Abies forest](#), [T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest](#), [T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest](#), [T38 Mediterranean montane Cedrus forest](#), [T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest](#), [T3M Coniferous plantation of non site-native trees](#)

Dominant species of EUNIS habitats: [T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest](#), [T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest](#)

Broad habitat

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

Distribution

Continentality: **6**

Continentality amplitude: **3**