Pinus pinea

Habitus and growth type

Plant height [m]: **17.46**
Life span: **Perennial**
Life form: **Phanerophyte, Tree**
Spinescence: **not spinescent**

Leaf

Specific leaf area [mm^2/mg]: **4.35**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]:
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**
Substrate reaction relationship: **Slightly acidic to near-neutral**
Nutrient relationship: **Mesotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.5**
Temperature indicator value: **8.5**
Moisture indicator value: **2.5**
Reaction indicator value: **5.5**
Nutrient indicator value: **3.5**
Salinity indicator value: **0**

Disturbance indicator values

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

Disturbance frequency: **0.22**
Disturbance frequency (herb layer): **1.48**
Disturbance severity: **0.65**
Disturbance severity (herb layer): **0.17**
Mowing frequency: **0.02**
Grazing pressure: **0.22**
Soil disturbance: **0.13**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **FA (QUI) *Quercetea ilicis***

EUNIS habitat

Diagnostic species of EUNIS habitats: **N1G Mediterranean coniferous coastal dune forest**, **S62 Western acidophilous garrigue**, **T3A Mediterranean lowland to submontane Pinus forest**
Constant species of EUNIS habitats: **N1G Mediterranean coniferous coastal dune forest**, **S62 Western acidophilous garrigue**, **T3A Mediterranean lowland to submontane Pinus forest**
Dominant species of EUNIS habitats: **N1G Mediterranean coniferous coastal dune forest**, **T3A Mediterranean lowland to submontane Pinus forest**

Broad habitat

Occurrence in broad habitats: **Coastal beach, dune or shingle, Scrub, Forest**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz