

# *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<sup>2</sup>/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

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**