Pinus pinaster

Habitus and growth type

Plant height [m]: **25.2**
Life span: **Perennial**
Life form: **Phanerophyte, Tree**
Spinescence: **spinescent**

Leaf

Specific leaf area [mm^2/mg]: **3.4**

Flower

Flowering period: **January-May**

Fruit, seed and dispersal

Seed mass [mg]: **59.07**
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: **Acidic**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Slightly saline or brackish**

Ellenberg-type indicator values

Light indicator value: **8.5**
Temperature indicator value: **7.6**
Moisture indicator value: **3**
Reaction indicator value: **4.5**
Nutrient indicator value: **3.2**
Salinity indicator value: **0.5**

Disturbance indicator values

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Disturbance frequency: **0.14**
Disturbance frequency (herb layer): **1.39**
Disturbance severity: **0.68**
Disturbance severity (herb layer): **0.15**
Mowing frequency: **0.02**
Grazing pressure: **0.23**
Soil disturbance: **0.12**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: **T29 Broadleaved evergreen plantation of non site-native trees**, **T3A Mediterranean lowland to submontane Pinus forest**, **T3M Coniferous plantation of non site-native trees**

Constant species of EUNIS habitats: **N1G Mediterranean coniferous coastal dune forest**, **S62 Western acidophilous garrigue**, **T29 Broadleaved evergreen plantation of non site-native trees**, **T3A Mediterranean lowland to submontane Pinus forest**, **T3M Coniferous plantation of non site-native trees**

Dominant species of EUNIS habitats: **N1G Mediterranean coniferous coastal dune forest**, **T3A Mediterranean lowland to submontane Pinus forest**, **T3M Coniferous plantation of non site-native trees**

Broad habitat

Occurrence in broad habitats: **Scrub, Forest**

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