

# ***Pinus brutia***

## **Habitus and growth type**

Plant height [m]: **17.55**

Life span: **Perennial**

Life form: **Phanerophyte, Tree**

## **Flower**

Flowering period: **February-May**

## **Fruit, seed and dispersal**

Seed mass [mg]: **44.11**

Dispersal mode: **Anemochory**

Dispersal distance class: **4**

## **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: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### **Ellenberg-type indicator values**

Light indicator value: **7.9**

Moisture indicator value: **3**

Reaction indicator value: **7**

Nutrient indicator value: **2.7**

Salinity indicator value: **0.3**

### **Disturbance indicator values**

Disturbance frequency: **0.13**

Disturbance frequency (herb layer): **1.54**

Disturbance severity: **0.7**

Disturbance severity (herb layer): **0.19**

Mowing frequency: **0.02**

Grazing pressure: **0.24**

Soil disturbance: **0.12**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CB \(PUB\) \*Quercetea pubescentis\*](#), [FA \(QUI\) \*Quercetea ilicis\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T3A Mediterranean lowland to submontane \*Pinus\* forest](#), [T3D Mediterranean Cupressaceae forest](#)

Constant species of EUNIS habitats: [T3A Mediterranean lowland to submontane \*Pinus\* forest](#), [T3D Mediterranean Cupressaceae forest](#)

### Broad habitat

Occurrence in broad habitats: **Forest**