# *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**

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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**
Constant species of EUNIS habitats: **T3A Mediterranean lowland to submontane Pinus forest**
Dominant species of EUNIS habitats: **T3A Mediterranean lowland to submontane Pinus forest**

### Broad habitat

Occurrence in broad habitats: **Forest**

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