

# *Quercus ilex*

## Habitus and growth type

Plant height [m]: **19.87**

Life span: **Perennial**

Life form: **Phanerophyte, Tree**

Spinescence: **spinescent**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **5.48**

## Flower

Flowering period: **March-June**

## Fruit, seed and dispersal

Seed mass [mg]: **2725.35**

Dispersal mode: **Dyszoochory, Anthropochory**

Dispersal distance class: **6, 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

Temperature indicator value: **8.9**

Moisture indicator value: **3.4**

Reaction indicator value: **6**

Nutrient indicator value: **4**

Salinity indicator value: **0.2**

### Disturbance indicator values

Disturbance frequency: **0.08**

Disturbance frequency (herb layer): **1.32**  
Disturbance severity: **0.69**  
Disturbance severity (herb layer): **0.15**  
Mowing frequency: **0.01**  
Grazing pressure: **0.26**  
Soil disturbance: **0.1**

## 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](#), [T1A Mediterranean thermophilous deciduous forest](#), [T21 Mediterranean evergreen Quercus forest](#), [T22 Mainland laurophyllous forest](#), [T3A Mediterranean lowland to submontane Pinus forest](#), [T3C Taxus baccata forest](#)

Constant species of EUNIS habitats: [N1B Mediterranean and Black Sea coastal dune scrub](#), [N1G Mediterranean coniferous coastal dune forest](#), [S51 Mediterranean maquis and arborescent matorral](#), [S52 Submediterranean pseudomaquis](#), [S62 Western acidophilous garrigue](#), [T19 Temperate and submediterranean thermophilous deciduous forest](#), [T1A Mediterranean thermophilous deciduous forest](#), [T1G Alnus cordata forest](#), [T21 Mediterranean evergreen Quercus forest](#), [T22 Mainland laurophyllous forest](#), [T24 Olea europaea-Ceratonia siliqua forest](#), [T3A Mediterranean lowland to submontane Pinus forest](#), [T3C Taxus baccata forest](#)

Dominant species of EUNIS habitats: [N1G Mediterranean coniferous coastal dune forest](#), [T1A Mediterranean thermophilous deciduous forest](#), [T21 Mediterranean evergreen Quercus forest](#)

### Broad habitat

Occurrence in broad habitats: **Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

## Distribution

Continentality: **4**

Continentality amplitude: **4**