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^2/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**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

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**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz