

# *Quercus petraea*

## Habitus and growth type

Plant height [m]: **29.19**

Life span: **Perennial**

Life form: **Phanerophyte, Tree**

## Leaf

Leaf type (woody plants only): **Broad deciduous or semi-deciduous**

Leaf phenology (woody plants only): **Winter deciduous**

Specific leaf area [mm<sup>2</sup>/mg]: **12.58**

## Flower

Flowering period: **March-May**

## Fruit, seed and dispersal

Seed mass [mg]: **1638.42**

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: **Mesic**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.7**

Moisture indicator value: **5.1**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.03**

Disturbance frequency (herb layer): **1.31**

Disturbance severity: **0.7**

Disturbance severity (herb layer): **0.12**

Mowing frequency: **0.01**

Grazing pressure: **0.2**

Soil disturbance: **0.12**

## Habitat and sociology

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T18 Fagus forest on acid soils](#), [T19 Temperate and submediterranean thermophilous deciduous forest](#), [T1B Acidophilous Quercus forest](#), [T1E Carpinus and Quercus mesic deciduous forest](#), [T27 Ilex aquifolium forest](#)

Constant species of EUNIS habitats: [T17 Fagus forest on non-acid soils](#), [T18 Fagus forest on acid soils](#), [T19 Temperate and submediterranean thermophilous deciduous forest](#), [T1B Acidophilous Quercus forest](#), [T1D Southern European mountain Betula and Populus tremula forest on mineral soils](#), [T1E Carpinus and Quercus mesic deciduous forest](#), [T27 Ilex aquifolium forest](#), [T35 Temperate continental Pinus sylvestris forest](#), [T3M Coniferous plantation of non site-native trees](#)

Dominant species of EUNIS habitats: [T19 Temperate and submediterranean thermophilous deciduous forest](#), [T1B Acidophilous Quercus forest](#), [T1E Carpinus and Quercus mesic deciduous forest](#), [T27 Ilex aquifolium forest](#)

### Broad habitat

Occurrence in broad habitats: **Forest**

## Distribution

Continentality: **4**

Continentality amplitude: **4**