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^2/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**

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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**

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