

Quercus robur

Habitus and growth type

Plant height [m]: **27.64**

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 [mm²/mg]: **13.32**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **3121.82**

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**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.9**

Moisture indicator value: **5.7**

Reaction indicator value: **5**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.1**

Disturbance frequency (herb layer): **1.35**
Disturbance severity: **0.69**
Disturbance severity (herb layer): **0.18**
Mowing frequency: **0.03**
Grazing pressure: **0.2**
Soil disturbance: **0.15**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [N1D Atlantic and Baltic broad-leaved coastal dune forest](#), [N1F Baltic coniferous coastal dune forest](#), [T13 Temperate hardwood riparian forest](#), [T1B Acidophilous Quercus forest](#), [T1E Carpinus and Quercus mesic deciduous forest](#)

Constant species of EUNIS habitats: [N1D Atlantic and Baltic broad-leaved coastal dune forest](#), [N1F Baltic coniferous coastal dune forest](#), [R52 Forest fringe of acidic nutrient-poor soils](#), [S37 Corylus avellana scrub](#), [S38 Temperate forest clearing scrub](#), [T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils](#), [T13 Temperate hardwood riparian forest](#), [T15 Broadleaved swamp forest on non-acid peat](#), [T16 Broadleaved mire forest on acid peat](#), [T18 Fagus forest on acid soils](#), [T1B Acidophilous Quercus forest](#), [T1E Carpinus and Quercus mesic deciduous forest](#), [T1H Broadleaved deciduous plantation of non site-native trees](#), [T27 Ilex aquifolium forest](#), [T29 Broadleaved evergreen plantation of non site-native trees](#), [T35 Temperate continental Pinus sylvestris forest](#), [T3F Dark taiga](#), [T3G Pinus sylvestris light taiga](#), [T3M Coniferous plantation of non site-native trees](#)

Dominant species of EUNIS habitats: [T13 Temperate hardwood riparian forest](#), [T1B Acidophilous Quercus forest](#), [T1E Carpinus and Quercus mesic deciduous forest](#)

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Forest**

Distribution

Continentality amplitude: **5**