Fagus sylvatica

Habitus and growth type

Plant height [m]: **33.51**
Life span: **Perennial**
Life form: **Phanerophyte, Tree**
Spinescence: **not spinescent**

Leaf

Leaf type (woody plants only): **Broad deciduous or semi-deciduous**
Leaf phenology (woody plants only): **Winter deciduous**
Specific leaf area [mm^2/mg]: **18.85**

Flower

Flowering period: **April-May**

Fruit, seed and dispersal

Seed mass [mg]: **213.29**
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

Moisture indicator value: **5.5**
Reaction indicator value: **5.7**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.03**

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Disturbance frequency (herb layer): **1.3**
Disturbance severity: **0.7**
Disturbance severity (herb layer): **0.12**
Mowing frequency: **0.01**
Grazing pressure: **0.19**
Soil disturbance: **0.11**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CA (FAG) *Carpino-Fagetea sylvaticae***, **CC (QUE) *Quercetea robori-petraeae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **T17 Fagus forest on non-acid soils**, **T18 Fagus forest on acid soils**, **T1B Acidophilous Quercus forest**, **T1F Ravine forest**, **T27 Ilex aquifolium forest**, **T31 Temperate mountain Picea forest**, **T32 Temperate mountain Abies forest**, **T3C Taxus baccata forest**

Constant species of EUNIS habitats: **N1D Atlantic and Baltic broad-leaved coastal dune forest**, **R52 Forest fringe of acidic nutrient-poor soils**, **S38 Temperate forest clearing scrub**, **T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils**, **T17 Fagus forest on non-acid soils**, **T18 Fagus forest on acid soils**, **T1B Acidophilous Quercus forest**, **T1D Southern European mountain Betula and Populus tremula forest on mineral soils**, **T1E Carpinus and Quercus mesic deciduous forest**, **T1F Ravine forest**, **T27 Ilex aquifolium forest**, **T31 Temperate mountain Picea forest**, **T32 Temperate mountain Abies forest**, **T33 Mediterranean mountain Abies forest**, **T35 Temperate continental Pinus sylvestris forest**, **T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest**, **T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest**, **T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest**, **T3C Taxus baccata forest**, **T3M Coniferous plantation of non site-native trees**, **U23 Temperate, lowland to montane siliceous scree**

Dominant species of EUNIS habitats: **T17 Fagus forest on non-acid soils**, **T18 Fagus forest on acid soils**, **T1D Southern European mountain Betula and Populus tremula forest on mineral soils**, **T1F Ravine forest**, **T27 Ilex aquifolium forest**, **T32 Temperate mountain Abies forest**, **T33 Mediterranean mountain Abies forest**, **T3C Taxus baccata forest**

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality: **3**
Continentality amplitude: **3**

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