Ilex aquifolium

Habitus and growth type

Plant height [m]: **12.11**
Life span: **Perennial**
Life form: **Phanerophyte, Tree, Shrub**

Leaf

Leaf type (woody plants only): **Laurophyllous**
Leaf phenology (woody plants only): **Evergreen**
Specific leaf area [mm^2/mg]: **5.6**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **208.71**
Dispersal mode: **Endozoochory, 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: **Acidic**
Nutrient relationship: **Mesotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Moisture indicator value: **5.2**
Reaction indicator value: **4**
Nutrient indicator value: **4.5**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.04**

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Disturbance frequency (herb layer): **1.3**
Disturbance severity: **0.7**
Disturbance severity (herb layer): **0.12**
Mowing frequency: **0**
Grazing pressure: **0.2**
Soil disturbance: **0.11**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CA (FAG) *Carpino-Fagetea sylvaticae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **T18 Fagus forest on acid soils**, **T1B Acidophilous Quercus forest**, **T27 Ilex aquifolium 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**, **T18 Fagus forest on acid soils**, **T1B Acidophilous Quercus forest**, **T1D Southern European mountain Betula and Populus tremula forest on mineral soils**, **T1G Alnus cordata forest**, **T22 Mainland laurophyllous forest**, **T27 Ilex aquifolium forest**, **T32 Temperate mountain Abies forest**, **T33 Mediterranean mountain Abies forest**, **T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest**, **T3C Taxus baccata forest**, **T3M Coniferous plantation of non site-native trees**
Dominant species of EUNIS habitats: **T27 Ilex aquifolium forest**, **T3C Taxus baccata forest**

Broad habitat

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

Distribution

Continentality: **2**
Continentality amplitude: **2**

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