

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 [mm²/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**

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**