

# *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<sup>2</sup>/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**