

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**