Aesculus hippocastanum

Habitus and growth type

Plant height [m]: **22.39**
Life span: **Perennial**
Life form: **Phanerophyte, Tree**

Leaf

Leaf type (woody plants only): **Broad deciduous or semi-deciduous**
Leaf phenology (woody plants only): **Winter deciduous**
Specific leaf area [mm^2/mg]: **13.7**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **10342.33**
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: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **5.4**
Temperature indicator value: **6.4**
Moisture indicator value: **5.5**
Reaction indicator value: **5.8**
Nutrient indicator value: **6.6**
Salinity indicator value: **0**

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Disturbance indicator values

Disturbance frequency: **0.08**
Disturbance frequency (herb layer): **1.38**
Disturbance severity: **0.7**
Disturbance severity (herb layer): **0.21**
Mowing frequency: **0.03**
Grazing pressure: **0.19**
Soil disturbance: **0.13**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CB (PUB) *Quercetea pubescentis***

Broad habitat

Occurrence in broad habitats: **Forest**

Distribution

Continentality: **6**
Continentality amplitude: **2**

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