Euonymus europaeus

Habitus and growth type

Plant height [m]: **3.98**
Life span: **Perennial**
Life form: **Phanerophyte, Shrub**

Leaf

Leaf type (woody plants only): **Broad deciduous or semi-deciduous**
Leaf phenology (woody plants only): **Winter deciduous**
Specific leaf area [mm^2/mg]: **14.64**

Flower

Flowering period: **March-June**

Fruit, seed and dispersal

Seed mass [mg]: **66.33**
Dispersal mode: **Endozoochory**
Dispersal distance class: **6**

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: **Alkaline**
Nutrient relationship: **Mesotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Temperature indicator value: **5.5**
Moisture indicator value: **5**
Reaction indicator value: **7.6**
Nutrient indicator value: **5**
Salinity indicator value: **0**

Disturbance indicator values

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Disturbance frequency: **0.09**
Disturbance frequency (herb layer): **1.34**
Disturbance severity: **0.68**
Disturbance severity (herb layer): **0.18**
Mowing frequency: **0.01**
Grazing pressure: **0.2**
Soil disturbance: **0.1**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CA (FAG) *Carpino-Fagetea sylvaticae*, CD (RHA) *Crataego-Prunetea***

EUNIS habitat

Diagnostic species of EUNIS habitats: **N1D Atlantic and Baltic broad-leaved coastal dune forest, S35 Temperate and submediterranean thorn scrub, T13 Temperate hardwood riparian forest, T1E Carpinus and Quercus mesic deciduous forest**

Constant species of EUNIS habitats: **N1D Atlantic and Baltic broad-leaved coastal dune forest, S35 Temperate and submediterranean thorn scrub, S37 Corylus avellana scrub, T11 Temperate Salix and Populus riparian forest, T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils, T13 Temperate hardwood riparian forest, T19 Temperate and submediterranean thermophilous deciduous forest, T1E Carpinus and Quercus mesic deciduous forest, T1F Ravine forest, T1H Broadleaved deciduous plantation of non site-native trees, T3C Taxus baccata forest**

Broad habitat

Occurrence in broad habitats: **Scrub, Forest**

Distribution

Continentality amplitude: **5**

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