Fraxinus excelsior

Habitus and growth type

Plant height [m]: **26.28**
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]: **12.68**

Flower

Flowering period: **February-April**

Fruit, seed and dispersal

Seed mass [mg]: **62.33**
Dispersal mode: **Anemochory, Anthropochory**
Dispersal distance class: **4, 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: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Moisture indicator value: **6.7**
Reaction indicator value: **7.3**
Nutrient indicator value: **6.6**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.09**

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Disturbance frequency (herb layer): **1.36**
Disturbance severity: **0.68**
Disturbance severity (herb layer): **0.2**
Mowing frequency: **0.03**
Grazing pressure: **0.19**
Soil disturbance: **0.11**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: **S38 Temperate forest clearing scrub**, **T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils**, **T13 Temperate hardwood riparian forest**, **T17 Fagus forest on non-acid soils**, **T1E Carpinus and Quercus mesic deciduous forest**, **T1F Ravine 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**, **S38 Temperate forest clearing scrub**, **T11 Temperate Salix and Populus riparian forest**, **T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils**, **T13 Temperate hardwood riparian forest**, **T17 Fagus forest on non-acid soils**, **T1D Southern European mountain Betula and Populus tremula forest on mineral soils**, **T1E Carpinus and Quercus mesic deciduous forest**, **T1F Ravine forest**, **T1H Broadleaved deciduous plantation of non site-native trees**, **T27 Ilex aquifolium forest**, **T32 Temperate mountain Abies forest**, **T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest**, **T3C Taxus baccata forest**, **T3M Coniferous plantation of non site-native trees**

Dominant species of EUNIS habitats: **T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils**, **T13 Temperate hardwood riparian forest**, **T1E Carpinus and Quercus mesic deciduous forest**, **T1F Ravine forest**

Broad habitat

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

Distribution

Continentality amplitude: **5**

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