

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

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**