

# *Frangula alnus*

## Habitus and growth type

Plant height [m]: **3.63**

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<sup>2</sup>/mg]: **16.54**

## Flower

Flowering period: **April-June**

## Fruit, seed and dispersal

Seed mass [mg]: **189.24**

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: **Wet**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.3**

Moisture indicator value: **7.6**

Reaction indicator value: **4.4**

Nutrient indicator value: **3.5**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.15**  
Disturbance frequency (herb layer): **1.3**  
Disturbance severity: **0.67**  
Disturbance severity (herb layer): **0.18**  
Mowing frequency: **0.04**  
Grazing pressure: **0.19**  
Soil disturbance: **0.16**

## Habitat and sociology

### EUNIS habitat

Diagnostic species of EUNIS habitats: [N1F Baltic coniferous coastal dune forest](#), [T15 Broadleaved swamp forest on non-acid peat](#), [T16 Broadleaved mire forest on acid peat](#), [T1B Acidophilous Quercus forest](#), [T35 Temperate continental Pinus sylvestris forest](#), [T3M Coniferous plantation of non site-native trees](#)

Constant species of EUNIS habitats: [N1F Baltic coniferous coastal dune forest](#), [S38 Temperate forest clearing scrub](#), [S92 Salix fen scrub](#), [T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils](#), [T13 Temperate hardwood riparian forest](#), [T15 Broadleaved swamp forest on non-acid peat](#), [T16 Broadleaved mire forest on acid peat](#), [T1B Acidophilous Quercus forest](#), [T22 Mainland laurophyllous forest](#), [T27 Ilex aquifolium forest](#), [T35 Temperate continental Pinus sylvestris forest](#), [T3F Dark taiga](#), [T3G Pinus sylvestris light taiga](#), [T3J Pinus and Larix mire forest](#), [T3M Coniferous plantation of non site-native trees](#)

Dominant species of EUNIS habitats: [S92 Salix fen scrub](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **6**