

Alnus incana

Habitus and growth type

Plant height [m]: **13.81**

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 [mm²/mg]: **20.29**

Flower

Flowering period: **February-May**

Fruit, seed and dispersal

Seed mass [mg]: **0.68**

Dispersal mode: **Dyszoochory**

Dispersal distance class: **6**

Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **symbiosis with frankia**

Taxon origin

Origin in Europe: **native**

Ecology

Environmental relationships

Substrate humidity relationship: **Wet**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.1**

Temperature indicator value: **4**

Moisture indicator value: **7.1**

Reaction indicator value: **7.3**

Nutrient indicator value: **5.8**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.25**

Disturbance frequency (herb layer): **1.52**

Disturbance severity: **0.67**

Disturbance severity (herb layer): **0.32**

Mowing frequency: **0.03**

Grazing pressure: **0.2**

Soil disturbance: **0.12**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [T12 *Alnus glutinosa*-*Alnus incana* forest on riparian and mineral soils](#), [U71 Unvegetated or sparsely vegetated gravel bar in montane and alpine regions](#)

Constant species of EUNIS habitats: [T12 *Alnus glutinosa*-*Alnus incana* forest on riparian and mineral soils](#), [U71 Unvegetated or sparsely vegetated gravel bar in montane and alpine regions](#)

Dominant species of EUNIS habitats: [T12 *Alnus glutinosa*-*Alnus incana* forest on riparian and mineral soils](#)

Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland, Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality: **6**

Continentality amplitude: **3**