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 [mm^2/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**

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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**

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