

Alnus viridis

Habitus and growth type

Plant height [m]: **2.85**

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 [mm²/mg]: **21.41**

Flower

Flowering period: **April-June**

Fruit, seed and dispersal

Seed mass [mg]: **4.71**

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: **Mesic**

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

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.3**

Temperature indicator value: **3**

Moisture indicator value: **6.1**

Reaction indicator value: **4.7**

Nutrient indicator value: **5.9**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.23**

Disturbance frequency (herb layer): **0.96**

Disturbance severity: **0.58**

Disturbance severity (herb layer): **0.14**

Mowing frequency: **0.01**

Grazing pressure: **0.16**

Soil disturbance: **0.07**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [S25 Subalpine and subarctic deciduous scrub](#)

Constant species of EUNIS habitats: [S25 Subalpine and subarctic deciduous scrub](#)

Dominant species of EUNIS habitats: [S25 Subalpine and subarctic deciduous scrub](#)

Broad habitat

Occurrence in broad habitats: **Alpine-subalpine and arctic grassland, Scrub, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality: **5**

Continentality amplitude: **3**