

Abies grandis

Habitus and growth type

Plant height [m]: **53.17**

Life span: **Perennial**

Life form: **Phanerophyte, Tree**

Leaf

Leaf type (woody plants only): **Needle-like**

Leaf phenology (woody plants only): **Evergreen**

Specific leaf area [mm²/mg]: **4.7**

Fruit, seed and dispersal

Seed mass [mg]:

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: **Neophyte**

Ecology

Environmental relationships

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Acidic**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7**

Temperature indicator value: **4**

Moisture indicator value: **5**

Reaction indicator value: **4**

Nutrient indicator value: **5**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.13**

Disturbance frequency (herb layer): **1.33**

Disturbance severity: **0.84**

Disturbance severity (herb layer): **0.23**

Mowing frequency: **0.02**

Grazing pressure: **0.2**

Soil disturbance: **0.27**