

Populus nigra

Habitus and growth type

Plant height [m]: **26.13**

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]: **10.77**

Flower

Flowering period: **February-April**

Fruit, seed and dispersal

Seed mass [mg]: **1.12**

Dispersal mode: **Anemochory**

Dispersal distance class: **5**

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: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.1**

Temperature indicator value: **6.4**

Moisture indicator value: **7.9**

Reaction indicator value: **7.1**

Nutrient indicator value: **6.9**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.43**

Disturbance frequency (herb layer): **1.58**

Disturbance severity: **0.67**

Disturbance severity (herb layer): **0.41**

Mowing frequency: **0.07**

Grazing pressure: **0.21**

Soil disturbance: **0.17**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [HA \(POP\) *Alno glutinosae-Populetea albae*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [T11 Temperate *Salix* and *Populus* riparian forest](#)

Constant species of EUNIS habitats: [S91 Temperate riparian scrub](#), [T11 Temperate *Salix* and *Populus* riparian forest](#), [T14 Mediterranean and Macaronesian riparian forest](#), [T1G *Alnus cordata* forest](#)

Broad habitat

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

Distribution

Continentality amplitude: **9**