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 [mm^2/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**

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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**, **T14 Mediterranean and Macaronesian riparian forest**, **U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region**
Constant species of EUNIS habitats: **T11 Temperate Salix and Populus riparian forest**, **T14 Mediterranean and Macaronesian riparian forest**, **U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region**
Dominant species of EUNIS habitats: **T11 Temperate Salix and Populus riparian forest**, **T14 Mediterranean and Macaronesian riparian forest**

Broad habitat

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

Distribution

Continentality amplitude: **9**

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