Salix alba

Habitus and growth type

Plant height [m]: **21.04**
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]: **11.89**

Flower

Flowering period: **January-April**

Fruit, seed and dispersal

Seed mass [mg]: **0.12**
Dispersal mode: **Anemochory, Anthropochory**
Dispersal distance class: **5, 7**

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**
Moisture indicator value: **8**
Reaction indicator value: **7.8**
Nutrient indicator value: **6.9**
Salinity indicator value: **0.1**

Disturbance indicator values

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

Disturbance frequency: **0.47**
Disturbance frequency (herb layer): **1.6**
Disturbance severity: **0.65**
Disturbance severity (herb layer): **0.4**
Mowing frequency: **0.07**
Grazing pressure: **0.2**
Soil disturbance: **0.14**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **HB (PUR) *Salicetea purpureae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **T11 Temperate Salix and Populus riparian forest**, **T14 Mediterranean and Macaronesian riparian forest**
Constant species of EUNIS habitats: **T11 Temperate Salix and Populus riparian forest**, **T14 Mediterranean and Macaronesian riparian forest**
Dominant species of EUNIS habitats: **T11 Temperate Salix and Populus riparian forest**, **T14 Mediterranean and Macaronesian riparian forest**

Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland, Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality: **6**
Continentality amplitude: **6**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz