

Salix purpurea

Habitus and growth type

Plant height [m]: **3.52**

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]: **9.5**

Flower

Flowering period: **February-April**

Fruit, seed and dispersal

Seed mass [mg]: **0.13**

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: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.1**

Temperature indicator value: **4.8**

Moisture indicator value: **8.3**

Reaction indicator value: **7.5**

Nutrient indicator value: **4.5**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.71**

Disturbance frequency (herb layer): **1.55**

Disturbance severity: **0.57**

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

Mowing frequency: **0.11**

Grazing pressure: **0.23**

Soil disturbance: **0.17**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [HB \(PUR\) *Salicetea purpureae*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [S91 Temperate riparian scrub](#), [T11 Temperate *Salix* and *Populus* riparian forest](#), [U71 Unvegetated or sparsely vegetated gravel bar in montane and alpine regions](#)

Constant species of EUNIS habitats: [S91 Temperate riparian scrub](#), [T11 Temperate *Salix* and *Populus* riparian forest](#), [U71 Unvegetated or sparsely vegetated gravel bar in montane and alpine regions](#), [U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region](#)

Dominant species of EUNIS habitats: [S91 Temperate riparian scrub](#)

Broad habitat

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

Distribution

Continentality: **5**

Continentality amplitude: **3**