Clematis vitalba

Habitus and growth type

Plant height [m]: **11.3**
Life span: **Perennial**
Life form: **Phanerophyte, Woody liana**

Leaf

Leaf type (woody plants only): **Broad deciduous or semi-deciduous**
Leaf phenology (woody plants only): **Winter deciduous**
Specific leaf area [mm^2/mg]: **24.69**

Flower

Flowering period: **April-July**

Fruit, seed and dispersal

Seed mass [mg]: **2.59**
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: **Mesic**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.9**
Temperature indicator value: **6.5**
Reaction indicator value: **7.3**
Nutrient indicator value: **6.3**
Salinity indicator value: **0**

Disturbance indicator values

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

Disturbance frequency: **0.13**
Disturbance frequency (herb layer): **1.33**
Disturbance severity: **0.67**
Disturbance severity (herb layer): **0.2**
Mowing frequency: **0.04**
Grazing pressure: **0.2**
Soil disturbance: **0.12**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CD (RHA) *Crataego-Prunetea*, CF (ROB) *Robinietea*, HA (POP) *Alno glutinosae-Populetea albae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **S53 Spartium junceum scrub, T14 Mediterranean and Macaronesian riparian forest, T1G Alnus cordata forest, T22 Mainland laurophyllous forest, U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region**
Constant species of EUNIS habitats: **S35 Temperate and submediterranean thorn scrub, S53 Spartium junceum scrub, T14 Mediterranean and Macaronesian riparian forest, T19 Temperate and submediterranean thermophilous deciduous forest, T1F Ravine forest, T1G Alnus cordata forest, T1H Broadleaved deciduous plantation of non site-native trees, T22 Mainland laurophyllous forest, T3C Taxus baccata forest, U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region**
Dominant species of EUNIS habitats: **T1G Alnus cordata forest**

Broad habitat

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

Distribution

Continentality: **4**
Continentality amplitude: **4**

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