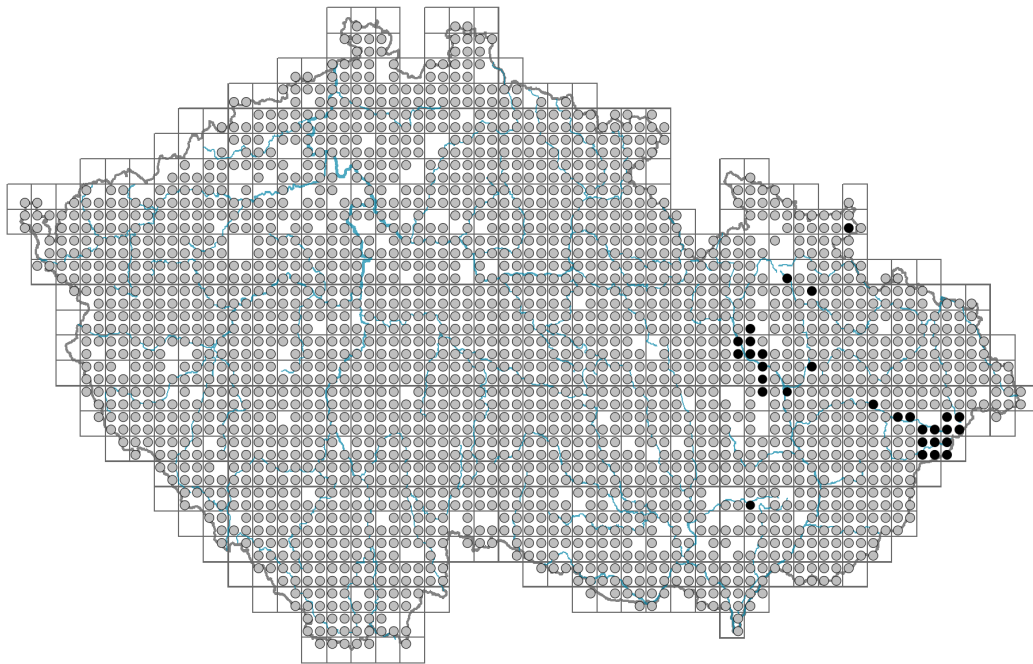


# Salix euxina

## Distribution



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### Map info

● revised records

○ unrevised records

On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.



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## Habitus and growth type

Height [m]: **6-15**

Growth form: **tree**

Life form: **macrophanerophyte**

Life strategy: **C - competitor**

## Leaf

Leaf presence and metamorphosis: **leaves present, not modified**

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **present**

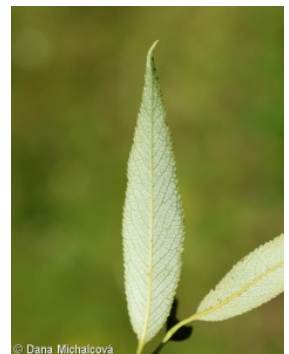
Petiole: **present**

Leaf life span: **summer green**

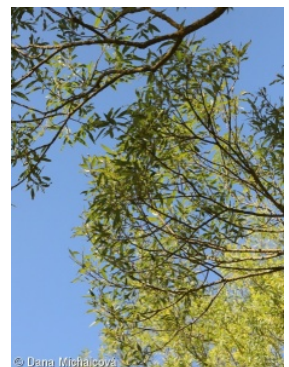
Leaf deciduousness in woody plants: **winter deciduous**

Leaf anatomy: **mesomorphic, helomorphic**

Functional leaf type in woody plants: **broad deciduous or semi-deciduous**



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## Flower

Flowering period [month]: **April-May**

Flowering phase: **4 Fagus sylvatica-Galeobdolon (start of mid-spring)**

Flower colour: **yellow-green**

Perianth type: **flower achlamydeous**

Inflorescence type: **amentum e floribus masculis, amentum e floribus femineis**

Dicliny: **dioecious**

Generative reproduction type: **allogamy**

Pollination syndrome: **insect-pollination**



## Fruit, seed and dispersal

Fruit type: **dry fruit - capsule**

Fruit colour: **brown**

Reproduction type: **by seed/spores and vegetatively**

Dispersal unit (diaspore): **seed, shoot fragment**

Dispersal strategy: **Phragmites (mainly anemochory and hydrochory)**

Myrmecochory: **non-myrmecochorous (b)**



## Belowground organs and clonality

### Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **0**

Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **5**

Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **5**

Size of the belowground bud bank (root buds excluded): **10**

Depth of the belowground bud bank (root buds excluded) [cm]: **10**

Number of buds per shoot at the soil surface (root buds included): **0**

Number of buds per shoot at a depth of 0–10 cm (root buds included): **5**

Number of buds per shoot at a depth greater than 10 cm (root buds included): **5**

Size of the belowground bud bank (root buds included): **10**

Depth of the belowground bud bank (root buds included) [cm]: **10**

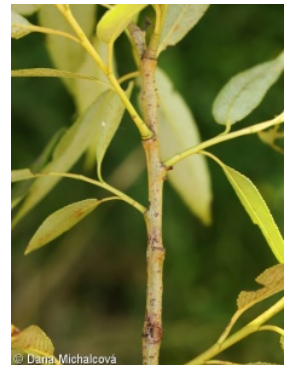


## Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**



## Karyology

Chromosome number (2n): **76**

Ploidy level (x): **4**

2C genome size [Mbp]: **1582.44**

1Cx monoploid genome size [Mbp]: **395.61**

Genomic GC content: **36.8 %**



## Taxon origin

Origin in the Czech Republic: **native**

## Ecological indicator values

## Ellenberg-type indicator values

Light indicator value: **6 - transition between values 5 and 7; rarely at less than 20% of diffuse radiation incident in an open area**

Temperature indicator value: **6 - transition between values 5 and 7**

Moisture indicator value: **8 - transition between values 7 and 9**

Reaction indicator value: **6 - transition between values 5 and 7**

Nutrient indicator value: **7 - occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**

Salinity indicator value: **0 - not salt tolerant, glycophyte**

## Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.4**

Herb layer disturbance frequency indicator value: **-0.59**

Whole-community disturbance severity indicator value: **0.37**

Herb layer disturbance severity indicator value: **0.32**

Whole-community structure based disturbance indicator value: **0.17**

Herb layer structure-based disturbance indicator value: **0.25**



## Habitat and sociology

### Occurrence in habitats

#### 4 Wetland and riverine herbaceous vegetation

4A Reed-beds of eutrophic still waters: **1 - rare occurrence**

4C Eutrophic vegetation of muddy substrata: **1 - rare occurrence**

4D Riverine reed vegetation: **1 - rare occurrence**

4G Tall-sedge beds: **1 - rare occurrence**

4I Vegetation of nitrophilous annual hygrophilous herbs: **1 - rare occurrence**

4K Petasites fringes of montane brooks: **1 - rare occurrence**

4L Nitrophilous herbaceous fringes of lowland rivers: **1 - rare occurrence**

#### 5 Vegetation of springs and mires

5A Hard-water springs with tufa formation: **1 - rare occurrence**

#### 11 Heathlands and scrub

11I Willow carrs: **1 - rare occurrence**

11J Willow galleries of loamy and sandy river banks: **4 - constant dominant**

11L Tall mesic and xeric shrub: **1 - rare occurrence**

11R Scrub and pioneer woodland of forests clearings: **1 - rare occurrence**

#### 12 Forests

12A Alder carrs: **1 - rare occurrence**

12B Alluvial forests: **2 - optimum**

12K Acidophilous oak forests: **1 - rare occurrence**

12U Plantations of broad-leaved non-native trees: **1 - rare occurrence**

#### 13 Anthropogenic vegetation

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **1 - rare occurrence**

### Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.2 - taxon occurring partly in the forest, but mainly in open vegetation**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.2 - taxon occurring partly in the forest, but mainly in open vegetation**

## Diagnostic taxon

Diagnostic taxon of classes: [KA \*Salicetea purpureae\*](#)

Diagnostic taxon of alliances: [KAA \*Salicion triandrae\*](#), [KAB \*Salicion elaeagno-daphnoidis\*](#), [KAC \*Salicion albae\*](#)

Diagnostic taxon of associations: [KAA01 \*Salicetum triandrae\*](#), [KAB01 \*Salicetum elaeagno-purpureae\*](#), [KAB02 \*Salicetum purpureae\*](#), [KAC01 \*Salicetum albae\*](#), [KAC02 \*Salicetum fragilis\*](#)

## Constant taxon

Constant taxon of classes: [KA \*Salicetea purpureae\*](#)

Constant taxon of alliances: [KAA \*Salicion triandrae\*](#), [KAB \*Salicion elaeagno-daphnoidis\*](#), [KAC \*Salicion albae\*](#)

Constant taxon of associations: [KAA01 \*Salicetum triandrae\*](#), [KAB02 \*Salicetum purpureae\*](#), [KAC02 \*Salicetum fragilis\*](#)

## Dominant taxon

Dominant taxon of associations: [KAA01 \*Salicetum triandrae\*](#), [KAB02 \*Salicetum purpureae\*](#), [KAC02 \*Salicetum fragilis\*](#)

## Ecological specialization indices

Ecological specialization index for all vegetation types: **4.6**

Ecological specialization index for non-forest vegetation: **4.4**

Ecological specialization index for forest vegetation: **4.9**

## Colonization ability

Index of colonization success (ICS): **6**

Index of colonization potential (ICP): **9**

Optimum successional age [years]: **14.5**

## Distribution and frequency

Floristic zone: **northern temperate, southern temperate, submeridional, meridional**

Floristic region: **Europe**

Distribution range extension along the continentality gradient: **5**

Elevational belt in the Czech Republic: **submontane belt, montane belt (colline belt)**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **645**

taxon.data.freq\_in\_quad: **2267**

## Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.6 %**

Occurrence frequency in vegetation plots with a cover above 5%: **62.9 %**

Occurrence frequency in vegetation plots with a cover above 25%: **38.2 %**

Occurrence frequency in vegetation plots with a cover above 50%: **27.1 %**

Mean percentage cover in vegetation plots: **26.7 %**

Maximum percentage cover in vegetation plots: **88 %**

## Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **17**

Number of narrow habitats in which the taxon has its optimum: **2**

Number of broad habitats in which the taxon occurs: **5**

Number of broad habitats in which the taxon has its optimum: **2**

## **Threats and protection**

Red List 2017 (national categories): **taxon is not on the Red List**

Red List 2017 (IUCN categories): **LC(NA) - least concern (taxon is not on the Red List)**

Legal protection: **not protected by law**