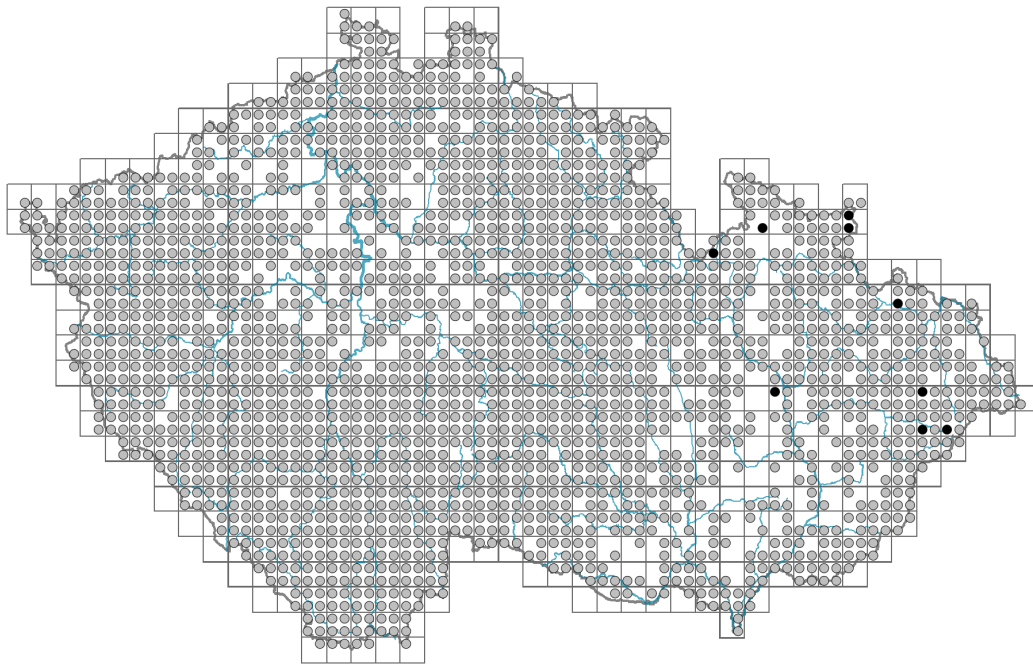


# Salix cinerea

## Distribution



Map info

- revised records
- unrevised records

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



## Habitus and growth type

Height [m]: 2-5

Growth form: **shrub**

Life form: **nanophanerophyte**

Life strategy: **C - competitor**

Life strategy (Pierce method based on leaf traits): **S/CS**

Life strategy (Pierce method, C-score): **18.2 %**

Life strategy (Pierce method, S-score): **80.2 %**

Life strategy (Pierce method, R-score): **1.7 %**

## 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**

## Flower

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

Flowering phase: **2 Acer platanoides-Anemone nemorosa (start of early spring)**

Flower colour: **white**

Perianth type: **flower achlamydeous**

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

Dicliny: **dioecious**

Generative reproduction type: **alogamy**

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**

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

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

## Belowground organs and clonality

Root metamorphosis: **root shoot**

Position of root buds: **lateral roots**

Role of root buds in life-history of a plant: **regenerative**

### 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): **20**

Number of buds per shoot at a depth greater than 10 cm (root buds included): **20**

Size of the belowground bud bank (root buds included): **40**

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]: **1399.37**

1Cx monoploid genome size [Mbp]: **349.84**

Genomic GC content: **37.2 %**

## Taxon origin

Origin in the Czech Republic: **native**

## Ecological indicator values

Ellenberg-type indicator values

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

Temperature indicator value: **5 - moderate heat indicator, occurring from lowland to montane belt, mainly in submontane-temperate areas**

Moisture indicator value: **9 - wetness indicator, focus on often soaked, poorly aerated soils**

Reaction indicator value: **5 - indicator of moderate acidity, occurring rarely in strongly acidic as well as in neutral to alkaline conditions**

Nutrient indicator value: **5 - occurring at moderately nutrient-rich sites, and less frequently at poor and rich sites**

Salinity indicator value: **1 - salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.49**

Herb layer disturbance frequency indicator value: **-0.97**

Whole-community disturbance severity indicator value: **0.28**

Herb layer disturbance severity indicator value: **0.19**

Whole-community structure based disturbance indicator value: **0.22**

Herb layer structure-based disturbance indicator value: **0.35**

## Habitat and sociology

Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

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

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

4E Reed vegetation of brooks: **1 - rare occurrence**

4F Mesotrophic vegetation of muddy substrata: **1 - rare occurrence**

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

5 Vegetation of springs and mires

5D Calcareous fens: **1 - rare occurrence**

5E Acidic moss-rich fens and peatland meadows: **1 - rare occurrence**

5F Transitional mires: **1 - rare occurrence**

6 Meadows and mesic pastures

6E Wet Cirsium meadows: **1 - rare occurrence**

6F Intermittently wet Molinia meadows: **1 - rare occurrence**

11 Heathlands and scrub

11I Willow carrs: **4 - constant dominant**

11J Willow galleries of loamy and sandy river banks: **1 - rare occurrence**

## 12 Forests

12A Alder carrs: **2 - optimum**12B Alluvial forests: **1 - rare occurrence**12K Acidophilous oak forests: **1 - rare occurrence**12L Boreo-continental pine forests: **1 - rare occurrence**12Q Peatland birch forests: **1 - rare occurrence**12U Plantations of broad-leaved non-native trees: **1 - rare occurrence**

## Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.1 - taxon occurring both in the forest and open vegetation**Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.1 - taxon occurring both in the forest and open vegetation**

## Diagnostic taxon

Diagnostic taxon of classes: [LA \*Alnetea glutinosae\*](#)Diagnostic taxon of alliances: [LAA \*Alnion glutinosae\*](#), [LAB \*Salicion cinereae\*](#)Diagnostic taxon of associations: [LAA02 \*Carici elongatae-Alnetum glutinosae\*](#), [LAB01 \*Salicetum auritae\*](#), [LAB02 \*Salicetum pentandro-auritae\*](#)

## Constant taxon

Constant taxon of alliances: [LAB \*Salicion cinereae\*](#)Constant taxon of associations: [LAB01 \*Salicetum auritae\*](#), [LAB02 \*Salicetum pentandro-auritae\*](#)

## Dominant taxon

Dominant taxon of associations: [LAB01 \*Salicetum auritae\*](#), [LAB02 \*Salicetum pentandro-auritae\*](#)

## Ecological specialization indices

Ecological specialization index for all vegetation types: **4**Ecological specialization index for non-forest vegetation: **3.9**Ecological specialization index for forest vegetation: **4.9**

## Colonization ability

Index of colonization success (ICS): **7**Index of colonization potential (ICP): **9**Optimum successional age [years]: **15****Distribution and frequency**Floristic zone: **boreal, northern temperate, southern temperate, submeridional, meridional**Floristic region: **Europe, Western Asia**Distribution range extension along the continentality gradient: **6**Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt**Expansive taxon in the region: **Bohemian Thermophyticum, Bohemian Moravian Mesophyticum, Bohemian Moravian Oreophyticum, Pannonian Thermophyticum, Carpathian Mesophyticum, Carpathian Oreophyticum**Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **649**taxon.data.freq\_in\_quad: **2087**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.3 %**

Occurrence frequency in vegetation plots with a cover above 5%: **51 %**

Occurrence frequency in vegetation plots with a cover above 25%: **31.7 %**

Occurrence frequency in vegetation plots with a cover above 50%: **20.2 %**

Mean percentage cover in vegetation plots: **23 %**

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: **18**

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**