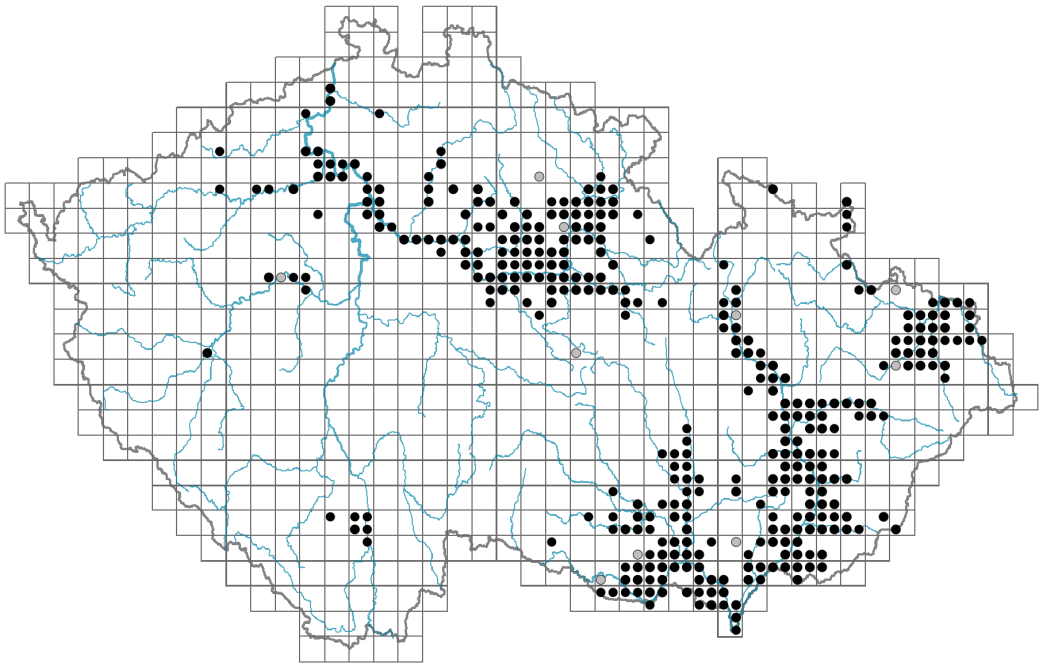
Silene baccifera

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]: **0.5–2**
Growth form: **polycarpic perennial non-clonal herb**
Life form: **geophyte**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **opposite**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **both present and absent**

Flower

Flowering period [month]: **June–August**
Flower colour: **green-white**
Flower symmetry: **actinomorphic**
Perianth type: **calyx and corolla**
Perianth fusion: **free**
Calyx fusion: **synsepalous**
Inflorescence type: **panicula e dichasiis composita**
Generative reproduction type: **facultative allogamy**

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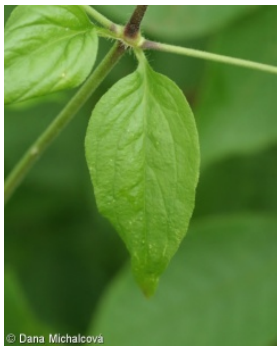
Fruit, seed and dispersal

Fruit type: **fleshy fruit – berry**
Fruit colour: **black**
Dispersal unit (diaspore): **seed, fruit, infrutescence or its part**
Dispersal strategy: **Cornus (mainly autochory and endozoochory)**
Myrmecochory: **probably non-myrmecochorous**

Belowground organs and clonality



Shoot life span (cyclicity): **monocyclic shoots prevailing**
Branching type of stem-derived organs of clonal growth: **sympodial**
Primary root: **present**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **5**
Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **15**
Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **0**
Size of the belowground bud bank (root buds excluded): **20**
Depth of the belowground bud bank (root buds exluded) [cm]: **4**
Number of buds per shoot at the soil surface (root buds included): **5**
Number of buds per shoot at a depth of 0–10 cm (root buds included): **15**
Number of buds per shoot at a depth greater than 10 cm (root buds included): **0**
Size of the belowground bud bank (root buds included): **20**
Depth of the belowground bud bank (root buds included) [cm]: **4**

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Karyology

Chromosome number (2n): **24**
Ploidy level (x): **2**
2C genome size [Mbp]: **12519.52**
1Cx monoploid genome size [Mbp]: **6259.76**
Genomic GC content: **40 %**

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**

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Moisture indicator value: **7 – humidity indicator, focus on well moistened, but not wet soils**
Reaction indicator value: **7 – indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**
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: **-1.05**
Herb layer disturbance frequency indicator value: **-0.7**
Whole-community disturbance severity indicator value: **0.4**
Herb layer disturbance severity indicator value: **0.39**
Whole-community structure based disturbance indicator value: **0.24**
Herb layer structure-based disturbance indicator value: **0.33**

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**
4L Nitrophilous herbaceous fringes of lowland rivers: **2 – optimum**

11 Heathlands and scrub

11J Willow galleries of loamy and sandy river banks: **2 – optimum**
11L Tall mesic and xeric shrub: **2 – optimum**

12 Forests

12B Alluvial 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: **1.2 – taxon occurring mainly along forest edges and in forest openings, including forest roads and paths, windthrow sites, burnt sites and forest clearings**
Affinity to the forest environment in Mesophyticum and Oreophyticum: **1.2 – taxon occurring mainly along forest edges and in forest openings, including forest roads and paths, windthrow sites, burnt sites and forest clearings**

Diagnostic taxon

Diagnostic taxon of alliances: **KAA *Salicion triandrae*, XDA *Senecionion fluviatilis***
Diagnostic taxon of associations: **KAA01 *Salicetum triandrae*, KBB05 *Rhamno catharticae-Cornetum sanguineae*, XDA01 *Cuscuto europaeae-Calystegietum sepium***

Constant taxon

Constant taxon of associations: **XDA01 *Cuscuto europaeae-Calystegietum sepium***

Dominant taxon

Dominant taxon of associations: **XDA01 *Cuscuto europaeae-Calystegietum sepium***

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.2**
Ecological specialization index for non-forest vegetation: **5.1**

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Ecological specialization index for forest vegetation: **5.5**

Colonization ability

Index of colonization success (ICS): **3**
Index of colonization potential (ICP): **8**
Optimum successional age [years]: **75**

Distribution and frequency

Continentality degree: **6**
Distribution range extension along the continentality gradient: **5**
Elevational belt in the Czech Republic: **lowlands, colline belt**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 177
taxon.data.freq_in_quad: 372

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.1 %**
Occurrence frequency in vegetation plots with a cover above 5%: **30.3 %**
Occurrence frequency in vegetation plots with a cover above 25%: **21.2 %**
Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **10.7 %**
Maximum percentage cover in vegetation plots: **38 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **7**
Number of narrow habitats in which the taxon has its optimum: **3**
Number of broad habitats in which the taxon occurs: **3**
Number of broad habitats in which the taxon has its optimum: **2**

Threats and protection

Red List 2017 (national categories): **C3 – vulnerable taxon**
Red List 2017 (IUCN categories): **NT – near threatened**
Legal protection: **not protected by law**

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