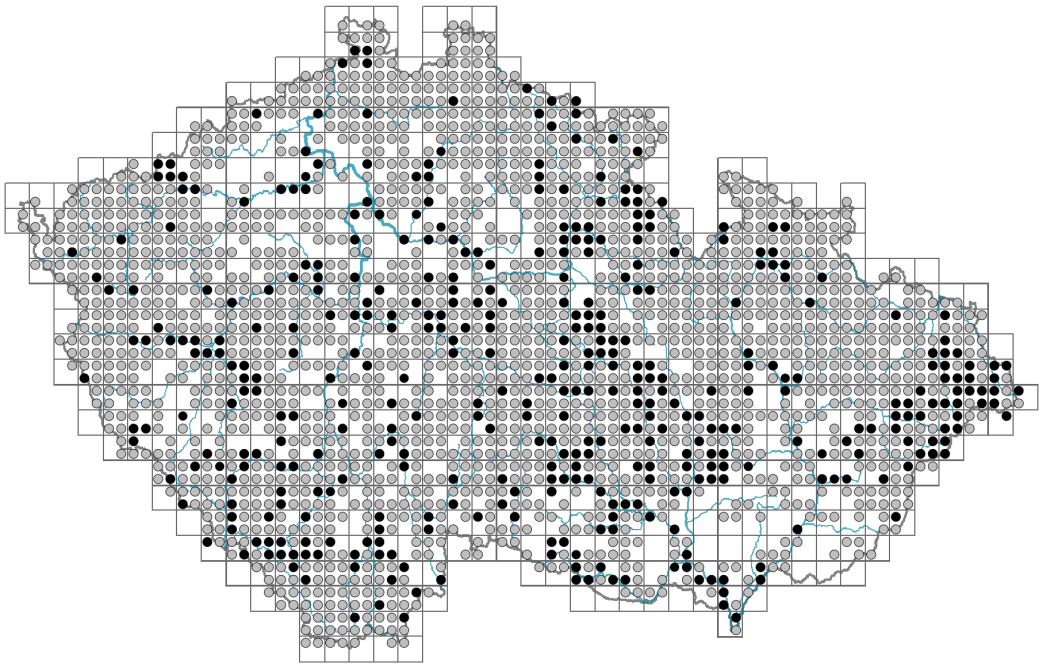
Stellaria nemorum

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]: **0.2–0.8**
Growth form: **clonal herb**
Life form: **hemicryptophyte**
Life strategy: **CSR – competitor/stress-tolerator/ruderal**
Life strategy (Pierce method based on leaf traits): **CR**
Life strategy (Pierce method, C-score): **38.5 %**
Life strategy (Pierce method, S-score): **0 %**
Life strategy (Pierce method, R-score): **61.5 %**

Leaf

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

Flower

Flowering period [month]: **May–July**

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Flowering phase: **5 Sorbus aucuparia-Galium odoratum (end of mid-spring)**
Flower colour: **white**
Flower symmetry: **actinomorphic**
Perianth type: **calyx and corolla**
Perianth fusion: **free**
Calyx fusion: **aposepalous**
Inflorescence type: **dichasium**
Dicliny: **gynomonoecious, gynodioecious**
Generative reproduction type: **facultative allogamy**
Pollination syndrome: **insect-pollination, selfing**
Pollinator spectrum: **flies s. l., other Diptera (solitary bees, other Hymenoptera, hoverflies, meat flies s. l., butterflies, beetles, nitidulids, thrips, other pollinators)**











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: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (a) nv**

Belowground organs and clonality

Shoot metamorphosis: **stolon**
Storage organ: **stolon**
Type of clonal growth organ: **stolon**
Freely dispersible organs of clonal growth: **absent**
Shoot life span (cyclicity): **monocyclic shoots prevailing**
Branching type of stem-derived organs of clonal growth: **sympodial**
Primary root: **absent**
Persistence of the clonal growth organ [year]: **2**
Number of clonal offspring: **3.5**
Lateral spreading distance by clonal growth [m]: **0.2**
Clonal index: **5**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **12**
Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **10**
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): **22**
Depth of the belowground bud bank (root buds exluded) [cm]: **3**
Number of buds per shoot at the soil surface (root buds included): **12**
Number of buds per shoot at a depth of 0–10 cm (root buds included): **10**
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): **22**
Depth of the belowground bud bank (root buds included) [cm]: **3**

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Trophic mode



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

Karyology

Chromosome number (2n): **26**
Ploidy level (x): **2**
2C genome size [Mbp]: **1644.08**
1Cx monoploid genome size [Mbp]: **822.04**
Genomic GC content: **37 %**

Taxon origin

Origin in the Czech Republic: **native**



Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **4 – transition between values 3 and 5**
Temperature indicator value: **5x – moderate heat indicator, occurring from lowland to montane belt, mainly in submontane-temperate areas (generalist)**
Moisture indicator value: **7 – humidity indicator, focus on well moistened, but not wet 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: **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: **-1.69**
Herb layer disturbance frequency indicator value: **-0.64**
Whole-community disturbance severity indicator value: **0.3**
Herb layer disturbance severity indicator value: **0.23**
Whole-community structure based disturbance indicator value: **0.23**
Herb layer structure-based disturbance indicator value: **0.26**



Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **1 – rare occurrence**
1B Siliceous cliffs and block fields: **1 – rare occurrence**
1D Mobile calcareous screes: **1 – rare occurrence**

2 Alpine and subalpine grasslands

2B Subalpine tall-forb and tall-grass vegetation: **2 – optimum**

4 Wetland and riverine herbaceous vegetation

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4D Riverine reed vegetation: **1 – rare occurrence**
4E Reed vegetation of brooks: **1 – rare occurrence**
4J River gravel banks: **1 – rare occurrence**
4K Petasites fringes of montane brooks: **2 – optimum**
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**
5B Lowland to montane soft-water springs: **2 – optimum**
5C Alpine and subalpine soft-water springs: **1 – rare occurrence**

6 Meadows and mesic pastures

6B Montane mesic meadows: **1 – rare occurrence**
6E Wet Cirsium meadows: **1 – rare occurrence**

11 Heathlands and scrub

11D Subalpine acidophilous Pinus mugo scrub: **1 – rare occurrence**
11H Subalpine deciduous scrub: **1 – rare occurrence**
11J Willow galleries of loamy and sandy river banks: **2 – optimum**
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**
12C Oak-hornbeam forests: **1 – rare occurrence**
12D Ravine forests: **2 – optimum**
12E Herb-rich beech forests: **2 – optimum**
12G Acidophilous beech forests: **1 – rare occurrence**
12R Acidophilous spruce forests: **1 – rare occurrence**
12S Basiphilous spruce forests: **2 – optimum**
12U Plantations of broad-leaved non-native trees: **1 – rare occurrence**
12V Spruce plantations: **1 – rare occurrence**

13 Anthropogenic vegetation

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **2 – optimum**
13F Herbaceous vegetation of forests clearings and Rubus scrub: **1 – rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **0 – taxon that does not spontaneously occur in Czech forests**
Affinity to the forest environment in Mesophyticum and Oreophyticum: **0 – taxon that does not spontaneously occur in Czech forests**

Diagnostic taxon

Diagnostic taxon of classes: **RA *Montio-Cardaminetea***
Diagnostic taxon of alliances: **ADD *Adenostylion alliariae***, **ADE *Dryopterido filicis-maris-Athyrion distentifolii***, **LBA *Alnion incanae***, **RAA *Caricion remotae***, **XDB *Petasition hybridi***
Diagnostic taxon of associations: **ADD01 *Ranunculo platanifolii-Adenostyletum alliariae***, **ADD04 *Laserpitio archangelicae-Dactylidetum glomeratae***, **ADD05 *Chaerophyllo hirsuti-Cicerbitetum alpinae***, **ADE01 *Daphno mezerei-Dryopteridetum filicis-maris***, **ADE02 *Adenostylo alliariae-Athyrietum distentifolii***, **LBA01 *Alnetum incanae***, **LBA04 *Stellario nemorum-Alnetum glutinosae***, **LBC04 *Athyrio distentifolii-Fagetum sylvaticae***, **LFC02 *Athyrio***

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distentifolii-Piceetum abietis*, LFC03 *Equiseto sylvatici-Piceetum abietis*, RAA02 *Cardamino-Chrysosplenietum alternifolii*, RAA03 *Pellio epiphyllae-Chrysosplenietum oppositifolii*, RAD03 *Cardaminetum opicii*, XDB02 *Petasitetum hybrido-kablikiani

Constant taxon

Constant taxon of alliances: **ADD *Adenostylion alliariae*, ADE *Dryopterido filicis-maris-Athyrion distentifolii*, LBA *Alnion incanae*, RAA *Caricion remotae*, XDB *Petasition hybridi***

Constant taxon of associations: **ADD01 *Ranunculo platanifolii-Adenostyletum alliariae*, ADD04 *Laserpitio archangelicae-Dactylidetum glomeratae*, ADD05 *Chaerophyllo hirsuti-Cicerbitetum alpinae*, ADE01 *Daphno mezerei-Dryopteridetum filicis-maris*, ADE02 *Adenostylo alliariae-Athyrietum distentifolii*, KCA02 *Adenostylo alliariae-Pinetum mugo*, LBA01 *Alnetum incanae*, LBA03 *Carici remotae-Fraxinetum excelsioris*, LBA04 *Stellario nemorum-Alnetum glutinosae*, LBC04 *Athyrio distentifolii-Fagetum sylvaticae*, LFC02 *Athyrio distentifolii-Piceetum abietis*, LFC03 *Equiseto sylvatici-Piceetum abietis*, RAA02 *Cardamino-Chrysosplenietum alternifolii*, RAA03 *Pellio epiphyllae-Chrysosplenietum oppositifolii*, RAD03 *Cardaminetum opicii*, XDB01 *Petasitetum hybridi*, XDB02 *Petasitetum hybrido-kablikiani***

Dominant taxon

Dominant taxon of associations: **ADD01 *Ranunculo platanifolii-Adenostyletum alliariae*, LBA01 *Alnetum incanae*, LBA03 *Carici remotae-Fraxinetum excelsioris*, LBA04 *Stellario nemorum-Alnetum glutinosae*, LFC02 *Athyrio distentifolii-Piceetum abietis*, XDC01 *Stachyo sylvaticae-Impatientetum noli-tangere*, XDF01 *Rumicetum alpini***

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.7**

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

Ecological specialization index for forest vegetation: **5.3**

Colonization ability

Index of colonization success (ICS): **5**

Index of colonization potential (ICP): **2**

Optimum successional age [years]: **1**

Distribution and frequency

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

Floristic region: **Europe**

Continentality degree: **6**

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

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 646

taxon.data.freq_in_quad: 2060

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **2.9 %**

Occurrence frequency in vegetation plots with a cover above 5%: **30.5 %**

Occurrence frequency in vegetation plots with a cover above 25%: **8.2 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0.8 %**

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Mean percentage cover in vegetation plots: **7.9 %**
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: **31**
Number of narrow habitats in which the taxon has its optimum: **9**
Number of broad habitats in which the taxon occurs: **8**
Number of broad habitats in which the taxon has its optimum: **6**

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**

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