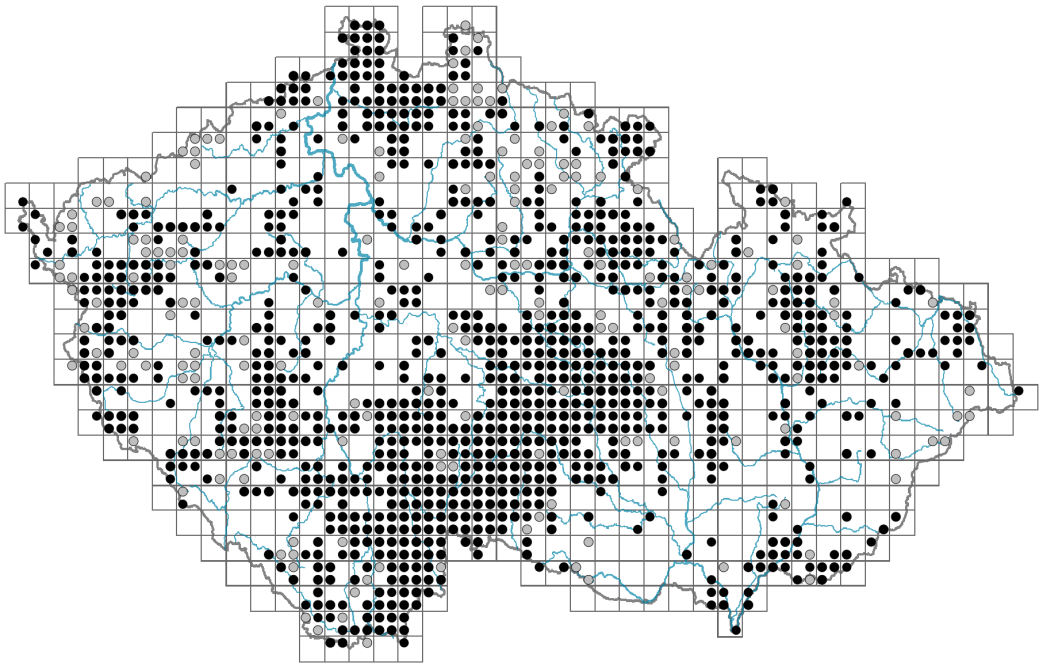
Calamagrostis canescens

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]: **0.6–1.4**
Growth form: **clonal herb**
Life form: **hemicryptophyte**
Life strategy: **CS – competitor/stress-tolerator**
Life strategy (Pierce method based on leaf traits): **S/CSR**
Life strategy (Pierce method, C-score): **17.7 %**
Life strategy (Pierce method, S-score): **57.8 %**
Life strategy (Pierce method, R-score): **24.5 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **absent**
Leaf life span: **summer green**
Leaf anatomy: **mesomorphic, helomorphic**

Flower

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

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Flowering phase: **8 Clematis vitalba-Galium sylvaticum (mid-summer)**
Flower colour: **green**
Perianth type: **reduced**
Perianth fusion: **reduced**
Inflorescence type: **panicula e spiculis composita**
Dicliny: **synoecious**
Generative reproduction type: **allogamy self-incompatibility**
Pollination syndrome: **wind-pollination**



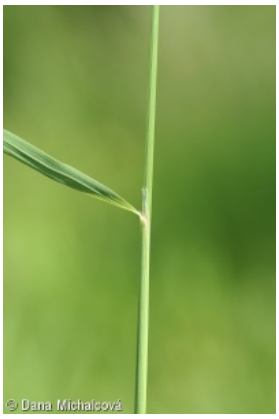
Fruit, seed and dispersal

Fruit type: **dry fruit – caryopsis**
Fruit colour: **brown**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Phragmites (mainly anemochory and hydrochory)**
Myrmecochory: **non-myrmecochorous (b)**



Belowground organs and clonality

Shoot metamorphosis: **stolon**
Storage organ: **stolon**
Type of clonal growth organ: **hypogeogenous rhizome**
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]: **4**
Number of clonal offspring: **3.5**
Lateral spreading distance by clonal growth [m]: **0.07**
Clonal index: **5**



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**

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Karyology

Chromosome number (2n): **28**
Ploidy level (x): **4**
2C genome size [Mbp]: **6484.12**
1Cx monoploid genome size [Mbp]: **1621.03**
Genomic GC content: **47.1 %**

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: **0 – not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.19**
Herb layer disturbance frequency indicator value: **-0.82**
Whole-community disturbance severity indicator value: **0.19**
Herb layer disturbance severity indicator value: **0.19**
Whole-community structure based disturbance indicator value: **0.42**
Herb layer structure-based disturbance indicator value: **0.39**

Habitat and sociology

Occurrence in habitats

3 Aquatic vegetation

3C Macrophytic vegetation of oligotrophic lakes and pools: **1 – rare occurrence**

4 Wetland and riverine herbaceous vegetation

4A Reed-beds of eutrophic still waters: **2 – optimum**
4C Eutrophic vegetation of muddy substrata: **1 – rare occurrence**
4D Riverine reed vegetation: **1 – rare occurrence**
4E Reed vegetation of brooks: **1 – rare occurrence**
4F Mesotrophic vegetation of muddy substrata: **2 – optimum**
4G Tall-sedge beds: **3 – dominant**

5 Vegetation of springs and mires

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

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5F Transitional mires: **2 – optimum**
5G Raised bogs: **1 – rare occurrence**
5H Wet peat soils and bog hollows: **1 – rare occurrence**

6 Meadows and mesic pastures

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

7 Acidophilous grasslands

7B Submontane Nardus grasslands: **1 – rare occurrence**

11 Heathlands and scrub

11I Willow carrs: **2 – optimum**

12 Forests

12A Alder carrs: **2 – optimum**
12B Alluvial forests: **1 – rare occurrence**
12P Peatland pine forests: **1 – rare occurrence**
12Q Peatland birch forests: **1 – rare occurrence**
12R Acidophilous spruce forests: **1 – rare occurrence**
12V Spruce plantations: **1 – rare occurrence**
12W Pine and larch plantations: **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*, MCG *Magno-Caricion elatae***
Diagnostic taxon of associations: **LAA01 *Thelypterido palustris-Alnetum glutinosae*, LAA02 *Carici elongatae-Alnetum glutinosae*, LAB01 *Salicetum auritae*, LAB02 *Salicetum pentandro-auritae*, MCG07 *Carici elatae-Calamagrostietum canescentis***

Constant taxon

Constant taxon of associations: **LAA02 *Carici elongatae-Alnetum glutinosae*, LAB01 *Salicetum auritae*, MCG07 *Carici elatae-Calamagrostietum canescentis***

Dominant taxon

Dominant taxon of associations: **LAA02 *Carici elongatae-Alnetum glutinosae*, LAB02 *Salicetum pentandro-auritae*, MCG07 *Carici elatae-Calamagrostietum canescentis***

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.4**
Ecological specialization index for non-forest vegetation: **4.7**
Ecological specialization index for forest vegetation: **5.1**

Colonization ability

Index of colonization success (ICS): **6**
Index of colonization potential (ICP): **6**
Optimum successional age [years]: **4**

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Distribution and frequency

Floristic zone: **boreal, northern temperate, southern temperate**
Floristic region: **Europe, Western Siberia**
Continentality degree: **5**
Distribution range extension along the continentality gradient: **4**
Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt, montane belt**
Expansive taxon in the region: **Bohemian Moravian Mesophyticum, Carpathian Mesophyticum**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 517
taxon.data.freq_in_quad: 1190

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **1 %**
Occurrence frequency in vegetation plots with a cover above 5%: **47.9 %**
Occurrence frequency in vegetation plots with a cover above 25%: **34.3 %**
Occurrence frequency in vegetation plots with a cover above 50%: **26 %**
Mean percentage cover in vegetation plots: **26 %**
Maximum percentage cover in vegetation plots: **99 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **21**
Number of narrow habitats in which the taxon has its optimum: **6**
Number of broad habitats in which the taxon occurs: **7**
Number of broad habitats in which the taxon has its optimum: **4**

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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