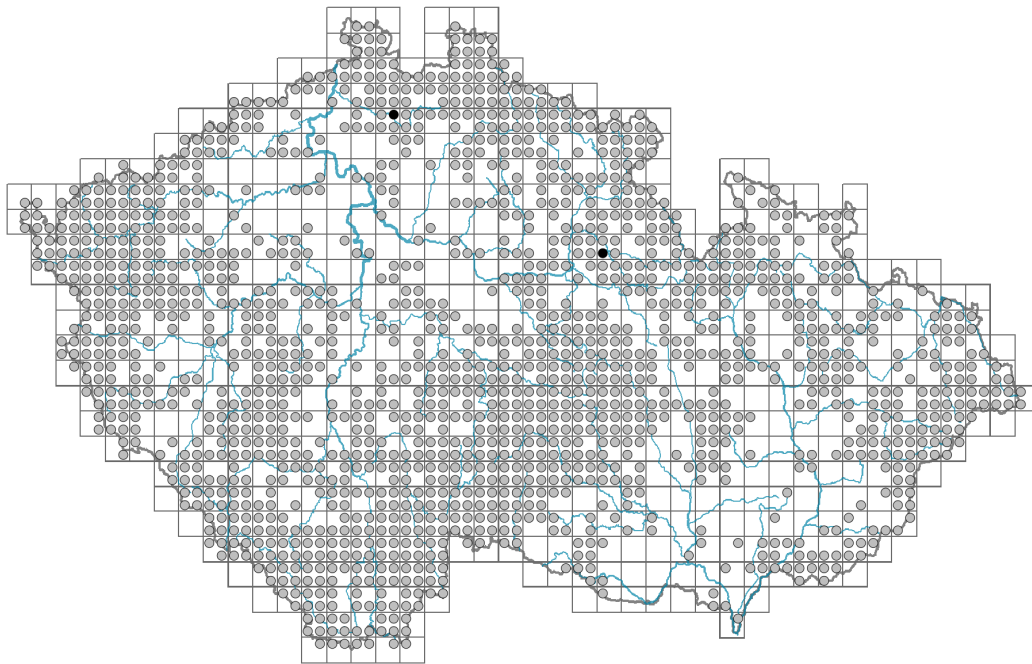


# *Agrostis canina*

## 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.

## Habitus and growth type

Height [m]: **0.1-0.7**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

Life strategy: **CSR - competitor/stress-tolerator/ruderal**

Life strategy (Pierce method based on leaf traits): **SR**

Life strategy (Pierce method, C-score): **3.3 %**

Life strategy (Pierce method, S-score): **50.4 %**

Life strategy (Pierce method, R-score): **46.4 %**

## 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: **scleromorphic, helomorphic**

## Flower

Flowering period [month]: **June-August**



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Flowering phase: **7 Ligustrum vulgare-Stachys sylvatica (end of early summer)**  
 Flower colour: **green**  
 Perianth type: **reduced**  
 Perianth fusion: **reduced**  
 Inflorescence type: **panicula e spiculis composita**  
 Dicliny: **synoecious**  
 Generative reproduction type: **allogamy self-incompatibility, facultative allogamy**  
 Pollination syndrome: **wind-pollination**



### Fruit, seed and dispersal

Fruit type: **dry fruit - caryopsis**  
 Reproduction type: **by seed/spores and vegetatively**  
 Dispersal unit (diaspore): **fruit, infrutescence or its part, shoot fragment**  
 Dispersal strategy: **Sparganium (mainly autochory and hydrochory)**  
 Myrmecochory: **non-myrmecochorous (b)**



### Belowground organs and clonality

Shoot metamorphosis: **stolon**  
 Storage organ: **stolon**



### Trophic mode

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

### Karyology

Chromosome number (2n): **14 (28)**  
 Ploidy level (x): **2 (4)**  
 2C genome size [Mbp]: **3060.23**  
 1Cx monoploid genome size [Mbp]: **1530.12**  
 Genomic GC content: **47.6 %**



### Taxon origin

Origin in the Czech Republic: **native**

### Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **7 - half-light plant, mostly occurring at full light, but also in the shade up to about 30% of diffuse radiation incident in an open area**

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: **3 - acidity indicator, occurring mainly in acidic**



**conditions, exceptionally in neutral conditions**

Nutrient indicator value: **2 - transition between values 1 and 3**

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

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.89**

Herb layer disturbance frequency indicator value: **-0.61**

Whole-community disturbance severity indicator value: **0.2**

Herb layer disturbance severity indicator value: **0.22**

Whole-community structure based disturbance indicator value: **0.53**

Herb layer structure-based disturbance indicator value: **0.62**

**Habitat and sociology**

Occurrence in habitats

2 Alpine and subalpine grasslands

2A Alpine grasslands on siliceous bedrock: **1 - rare occurrence**

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: **1 - rare occurrence**

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

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

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

4G Tall-sedge beds: **2 - optimum**

4H Vegetation of low annual hygrophilous herbs: **1 - rare occurrence**

5 Vegetation of springs and mires

5B Lowland to montane soft-water springs: **1 - rare occurrence**

5C Alpine and subalpine soft-water springs: **1 - rare occurrence**

5D Calcareous fens: **2 - optimum**

5E Acidic moss-rich fens and peatland meadows: **4 - constant dominant**

5F Transitional mires: **4 - constant dominant**

5G Raised bogs: **1 - rare occurrence**

5H Wet peat soils and bog hollows: **2 - optimum**

6 Meadows and mesic pastures

6A Mesic Arrhenatherum meadows: **1 - rare occurrence**

6B Montane mesic meadows: **1 - rare occurrence**

6C Pastures and park grasslands: **1 - rare occurrence**

6D Alluvial meadows of lowland rivers: **1 - rare occurrence**

6E Wet Cirsium meadows: **2 - optimum**

6F Intermittently wet Molinia meadows: **2 - optimum**

6G Vegetation of wet disturbed soils: **1 - rare occurrence**

7 Acidophilous grasslands

7A Subalpine and montane acidophilous grasslands: **1 - rare occurrence**

7B Submontane Nardus grasslands: **2 - optimum**

9 Sand grasslands and rock-outcrop vegetation

9B Open vegetation of acidic sands: **1 - rare occurrence**

## 11 Heathlands and scrub

11A Dry lowland to subalpine heathlands: **1 - rare occurrence**11I Willow carrs: **2 - optimum**11R Scrub and pioneer woodland of forests clearings: **1 - rare occurrence**

## 12 Forests

12A Alder carrs: **1 - rare occurrence**12K Acidophilous oak 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**

## 13 Anthropogenic vegetation

13F Herbaceous vegetation of forests clearings and Rubus scrub: **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: [RB \*Scheuchzerio palustris\*-\*Caricetea nigrae\*](#)Diagnostic taxon of alliances: [RAC \*Epilobio nutantis\*-\*Montion fontanae\*](#), [RBB \*Sphagno warnstorffii\*-\*Tomentypnion nitentis\*](#), [RBC \*Caricion canescenti-nigrae\*](#), [RBD \*Sphagno\*-\*Caricion canescentis\*](#)Diagnostic taxon of associations: [LAA01 \*Thelypterido palustris\*-\*Alnetum glutinosae\*](#), [RAC01 \*Philonotido fontanae\*-\*Montietum rivularis\*](#), [RBB03 \*Menyantho trifoliatae\*-\*Sphagnetum teretis\*](#), [RBC01 \*Caricetum nigrae\*](#), [RBC03 \*Agrostio caninae\*-\*Caricetum diandrae\*](#), [RBD03 \*Carici echinatae\*-\*Sphagnetum\*](#), [TDF03 \*Angelico sylvestris\*-\*Cirsietum palustris\*](#)

Constant taxon

Constant taxon of classes: [RB \*Scheuchzerio palustris\*-\*Caricetea nigrae\*](#)Constant taxon of alliances: [RAC \*Epilobio nutantis\*-\*Montion fontanae\*](#), [RBC \*Caricion canescenti-nigrae\*](#), [RBD \*Sphagno\*-\*Caricion canescentis\*](#)Constant taxon of associations: [LAA01 \*Thelypterido palustris\*-\*Alnetum glutinosae\*](#), [LAB01 \*Salicetum auritae\*](#), [MCA09 \*Typhetum shuttleworthii\*](#), [MCG04 \*Comaro palustris\*-\*Caricetum cespitosae\*](#), [RAC01 \*Philonotido fontanae\*-\*Montietum rivularis\*](#), [RBB01 \*Sphagno warnstorffii\*-\*Eriophoretum latifolii\*](#), [RBB02 \*Campylio stellati\*-\*Trichophoretum alpini\*](#), [RBB03 \*Menyantho trifoliatae\*-\*Sphagnetum teretis\*](#), [RBC01 \*Caricetum nigrae\*](#), [RBC02 \*Drosero anglicae\*-\*Rhynchosporium albae\*](#), [RBC03 \*Agrostio caninae\*-\*Caricetum diandrae\*](#), [RBD01 \*Sphagno recurvi\*-\*Caricetum rostratae\*](#), [RBD02 \*Sphagno recurvi\*-\*Caricetum lasiocarpae\*](#), [RBD03 \*Carici echinatae\*-\*Sphagnetum\*](#), [TDF03 \*Angelico sylvestris\*-\*Cirsietum palustris\*](#), [TDF04 \*Crepido paludosae\*-\*Juncetum acutiflori\*](#), [VDC02 \*Sphagno-Utricularietum ochroleucae\*](#)

Dominant taxon

Dominant taxon of associations: [RAC01 \*Philonotido fontanae\*-\*Montietum rivularis\*](#), [TDF04 \*Crepido paludosae\*-\*Juncetum acutiflori\*](#), [VDB02 \*Ranunculo\*-\*Juncetum bulbosi\*](#)

## Ecological specialization indices

Ecological specialization index for all vegetation types: **5.4**

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

Ecological specialization index for forest vegetation: **4.3**

## Colonization ability

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

Index of colonization potential (ICP): **3**

Optimum successional age [years]: **10**

## Distribution and frequency

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

Floristic region: **Europe, Asia, Americas**

Distribution range extension along the continentality gradient: **6**

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

Expansive taxon in the region: **Bohemian Moravian Mesophyticum, Bohemian Moravian Oreophyticum**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 566

taxon.data.freq\_in\_quad: 1546

## Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **3.4 %**

Occurrence frequency in vegetation plots with a cover above 5%: **17.6 %**

Occurrence frequency in vegetation plots with a cover above 25%: **3.3 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0.4 %**

Mean percentage cover in vegetation plots: **5.1 %**

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: **36**

Number of narrow habitats in which the taxon has its optimum: **9**

Number of broad habitats in which the taxon occurs: **10**

Number of broad habitats in which the taxon has its optimum: **5**

## 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**