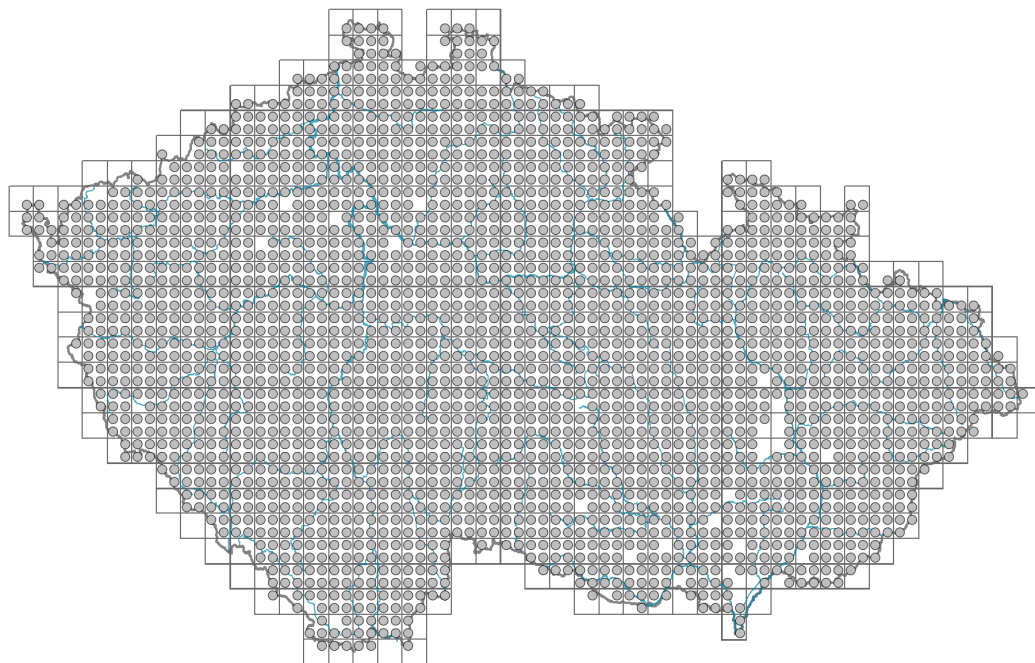


Poa nemoralis

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]: **0.3-0.8**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

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

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

Life strategy (Pierce method, C-score): **12.1 %**

Life strategy (Pierce method, S-score): **40.5 %**

Life strategy (Pierce method, R-score): **47.5 %**

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: **scleromorphic, mesomorphic**

Flower

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



Flowering phase: **6 Cornus sanguinea-Melica uniflora (start of early summer)**

Flower colour: **green**

Perianth type: **reduced**

Perianth fusion: **reduced**

Inflorescence type: **panicula e spiculis composita**

Dicliny: **synoecious**

Generative reproduction type: **mixed mating**

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: **Allium (mainly autochory)**

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

Belowground organs and clonality

Shoot metamorphosis: **stolon, rhizome**

Storage organ: **stolon, rhizome, tuft**

Type of clonal growth organ: **epigeogenous rhizome**

Freely dispersible organs of clonal growth: **absent**

Shoot life span (cyclicality): **monocyclic shoots prevailing**

Branching type of stem-derived organs of clonal growth: **sympodial**

Primary root: **absent**

Persistence of the clonal growth organ [year]: **3.5**

Number of clonal offspring: **6**

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): **5**

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): **10**

Depth of the belowground bud bank (root buds excluded) [cm]: **3**

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): **5**

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): **10**

Depth of the belowground bud bank (root buds included) [cm]: **3**

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**



Karyology

Chromosome number (2n): **42**

Ploidy level (x): **6**

2C genome size [Mbp]: **5160.57**

1Cx monoploid genome size [Mbp]: **860.09**

Genomic GC content: **47 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **5x - semi-shade plant, only exceptionally occurring in full light, but usually at more than 10% of the 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: **5 - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out**

Reaction indicator value: **6 - transition between values 5 and 7**

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: **-1.87**

Herb layer disturbance frequency indicator value: **-0.83**

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

Herb layer disturbance severity indicator value: **0.14**

Whole-community structure based disturbance indicator value: **0.14**

Herb layer structure-based disturbance indicator value: **0.18**

Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **2 - optimum**

1B Siliceous cliffs and block fields: **2 - optimum**

1C Walls: **2 - optimum**

1D Mobile calcareous screes: **2 - optimum**

2 Alpine and subalpine grasslands

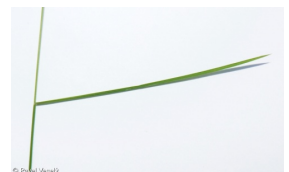
2B Subalpine tall-forb and tall-grass vegetation: **1 - rare occurrence**

4 Wetland and riverine herbaceous vegetation

4K Petasites fringes of montane brooks: **1 - rare occurrence**

4L Nitrophilous herbaceous fringes of lowland rivers: **1 - rare occurrence**

5 Vegetation of springs and mires



- 5B Lowland to montane soft-water springs: **1 - rare occurrence**
- 6 Meadows and mesic pastures
- 6G Vegetation of wet disturbed soils: **1 - rare occurrence**
- 7 Acidophilous grasslands
- 7B Submontane *Nardus* grasslands: **1 - rare occurrence**
- 8 Dry grasslands
- 8A Hercynian dry grasslands on rock outcrops: **1 - rare occurrence**
- 8B Submediterranean dry grasslands on rock outcrops: **1 - rare occurrence**
- 8E Acidophilous dry grasslands: **1 - rare occurrence**
- 8F Thermophilous forest fringe vegetation: **2 - optimum**
- 9 Sand grasslands and rock-outcrop vegetation
- 9E Acidophilous vegetation of spring therophytes and succulents: **1 - rare occurrence**
- 9F Basiphilous vegetation of spring therophytes and succulents: **1 - rare occurrence**
- 11 Heathlands and scrub
- 11A Dry lowland to subalpine heathlands: **1 - rare occurrence**
- 11I Willow carrs: **1 - rare occurrence**
- 11J Willow galleries of loamy and sandy river banks: **1 - rare occurrence**
- 11L Tall mesic and xeric shrub: **2 - optimum**
- 11N Low xeric scrub: **2 - optimum**
- 11R Scrub and pioneer woodland of forests clearings: **2 - optimum**
- 12 Forests
- 12A Alder carrs: **1 - rare occurrence**
- 12B Alluvial forests: **2 - optimum**
- 12C Oak-hornbeam forests: **4 - constant dominant**
- 12D Ravine forests: **2 - optimum**
- 12E Herb-rich beech forests: **2 - optimum**
- 12F Limestone beech forests: **2 - optimum**
- 12G Acidophilous beech forests: **2 - optimum**
- 12H Peri-Alpidic basiphilous thermophilous oak forests: **2 - optimum**
- 12I Sub-continental thermophilous oak forests: **4 - constant dominant**
- 12J Acidophilous thermophilous oak forests: **4 - constant dominant**
- 12K Acidophilous oak forests: **2 - optimum**
- 12L Boreo-continental pine forests: **1 - rare occurrence**
- 12O Peri-Alpidic pine forests: **1 - rare occurrence**
- 12R Acidophilous spruce forests: **1 - rare occurrence**
- 12S Basiphilous spruce forests: **1 - rare occurrence**
- 12T Robinia pseudacacia plantations: **4 - constant dominant**
- 12U Plantations of broad-leaved non-native trees: **1 - rare occurrence**
- 12V Spruce plantations: **2 - optimum**
- 12W Pine and larch plantations: **1 - rare occurrence**
- 13 Anthropogenic vegetation
- 13A Annual vegetation of ruderal habitats: **1 - rare occurrence**
- 13D Perennial thermophilous ruderal vegetation: **1 - rare occurrence**
- 13E Perennial nitrophilous herbaceous vegetation of mesic sites: **1 - rare occurrence**
- 13F Herbaceous vegetation of forests clearings and *Rubus* scrub: **2 - optimum**
- 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: [LB *Carpino-Fagetea*](#), [LC *Quercetea pubescentis*](#)

Diagnostic taxon of alliances: [KBE *Chelidonio majoris-Robinion pseudoacaciae*](#), [LBB *Carpinion betuli*](#), [LBF *Tilio platyphylli-Acerion*](#), [LCC *Quercion petraeae*](#)

Diagnostic taxon of associations: [KBE02 *Poo nemoralis-Robinetum pseudoacaciae*](#), [LBB01 *Galio sylvatici-Carpinetum betuli*](#), [LBB04 *Primulo veris-Carpinetum betuli*](#), [LCC01 *Sorbo torminalis-Quercetum*](#)

Constant taxon

Constant taxon of classes: [LB *Carpino-Fagetea*](#), [LC *Quercetea pubescentis*](#), [LD *Quercetea robori-petraeae*](#)

Constant taxon of alliances: [KBE *Chelidonio majoris-Robinion pseudoacaciae*](#), [KBF *Balloto nigrae-Robinion pseudoacaciae*](#), [KBG *Euphorbio cyparissiae-Robinion pseudoacaciae*](#), [LBB *Carpinion betuli*](#), [LBC *Fagion sylvaticae*](#), [LBD *Sorbo-Fagion sylvaticae*](#), [LBF *Tilio platyphylli-Acerion*](#), [LCA *Quercion pubescenti-petraeae*](#), [LCC *Quercion petraeae*](#), [LDA *Quercion roboris*](#), [SCB *Galeopsision*](#)

Constant taxon of associations: [KAB02 *Salicetum purpureae*](#), [KBB03 *Populo tremulae-Coryletum avellanae*](#), [KBB05 *Rhamno catharticae-Cornetum sanguineae*](#), [KBC03 *Senecioni fuchsii-Sambucetum racemosae*](#), [KBC04 *Senecioni fuchsii-Coryletum avellanae*](#), [KBE02 *Poo nemoralis-Robinetum pseudoacaciae*](#), [KBF01 *Arrhenathero elatioris-Robinetum pseudoacaciae*](#), [KBG01 *Melico transsilvanicae-Robinetum pseudoacaciae*](#), [LBA06 *Ficario verna-Ulmetum campestris*](#), [LBB01 *Galio sylvatici-Carpinetum betuli*](#), [LBB02 *Stellario holostea-Carpinetum betuli*](#), [LBB03 *Carici pilosae-Carpinetum betuli*](#), [LBB04 *Primulo veris-Carpinetum betuli*](#), [LBC01 *Galio odorati-Fagetum sylvaticae*](#), [LBC02 *Mercuriali perennis-Fagetum sylvaticae*](#), [LBC05 *Galio rotundifolii-Abietetum albae*](#), [LBD01 *Cephalanthero damasonii-Fagetum sylvaticae*](#), [LBF01 *Aceri-Tilietum*](#), [LBF02 *Mercuriali perennis-Fraxinetum excelsioris*](#), [LBF04 *Seslerio albicantis-Tilietum cordatae*](#), [LCA01 *Lathyro collini-Quercetum pubescentis*](#), [LCA03 *Euphorbio-Quercetum*](#), [LCB01 *Quercetum pubescenti-roboris*](#), [LCC01 *Sorbo torminalis-Quercetum*](#), [LCC02 *Genisto pilosae-Quercetum petraeae*](#), [LCC03 *Melico pictae-Quercetum roboris*](#), [LDA01 *Luzulo luzuloidis-Quercetum petraeae*](#), [LDA02 *Viscario vulgaris-Quercetum petraeae*](#), [LDA04 *Holco mollis-Quercetum roboris*](#), [SAC02 *Festuco pallentis-Saxifragetum rosaceae*](#), [SAC03 *Asplenio trichomanis-Polypodietum vulgare*](#), [SCB01 *Senecioni sylvatici-Galeopsietum ladani*](#), [XEA03 *Rubo idaei-Calamagrostietum arundinaceae*](#), [XEA05 *Digitali-Senecionetum ovati*](#)

Dominant taxon

Dominant taxon of associations: [KBB06 *Carpino betuli-Prunetum spinosae*](#), [KBE02 *Poo nemoralis-Robinetum pseudoacaciae*](#), [KBG01 *Melico transsilvanicae-Robinetum pseudoacaciae*](#), [LBB01 *Galio sylvatici-Carpinetum betuli*](#), [LBB04 *Primulo veris-Carpinetum betuli*](#), [LCA03 *Euphorbio-Quercetum*](#), [LCC01 *Sorbo torminalis-Quercetum*](#), [LCC03 *Melico pictae-Quercetum roboris*](#), [LDA01 *Luzulo luzuloidis-Quercetum petraeae*](#), [XDC01 *Stachyo sylvaticae-Impatientetum nolitangere*](#), [XEA02 *Digitali purpureae-Epilobietum angustifolii*](#), [XEA03 *Rubo idaei-Calamagrostietum arundinaceae*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.2**

Ecological specialization index for non-forest vegetation: **3.1**

Ecological specialization index for forest vegetation: **4.5**

Colonization ability

Index of colonization success (ICS): **8**

Index of colonization potential (ICP): **6**

Optimum successional age [years]: **33**

Distribution and frequency

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

Floristic region: **circumpolar**

Distribution range extension along the continentality gradient: **7**

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **660**

taxon.data.freq_in_quad: **2421**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **8.4 %**

Occurrence frequency in vegetation plots with a cover above 5%: **23.3 %**

Occurrence frequency in vegetation plots with a cover above 25%: **8.3 %**

Occurrence frequency in vegetation plots with a cover above 50%: **2.2 %**

Mean percentage cover in vegetation plots: **7.4 %**

Maximum percentage cover in vegetation plots: **98 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **45**

Number of narrow habitats in which the taxon has its optimum: **21**

Number of broad habitats in which the taxon occurs: **11**

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**