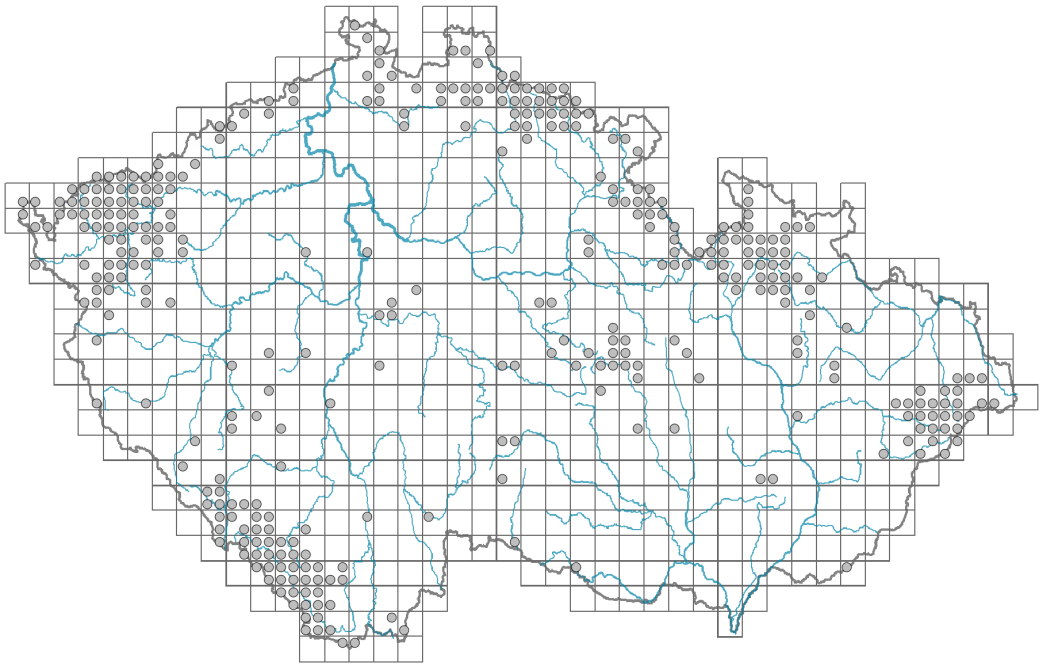
Poa chaixii

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]: **0.5–1.2**
Growth form: **clonal herb**
Life form: **hemicryptophyte**
Life strategy: **C – competitor**
Life strategy (Pierce method based on leaf traits): **S/CSR**
Life strategy (Pierce method, C-score): **11.4 %**
Life strategy (Pierce method, S-score): **60.1 %**
Life strategy (Pierce method, R-score): **28.5 %**

Leaf

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

Flower

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

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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**
Storage organ: **stolon, tuft**
Type of clonal growth organ: **epigeogenous rhizome**
Freely dispersible organs of clonal growth: **absent**
Shoot life span (cyclicity): **dicyclic or polycyclic 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: **6**
Lateral spreading distance by clonal growth [m]: **0.01**
Clonal index: **4**



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): **14**
Ploidy level (x): **2**
2C genome size [Mbp]: **2767.28**
1Cx monoploid genome size [Mbp]: **1383.64**
Genomic GC content: **47.3 %**

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: **4 – transition between values 3 and 5**
Moisture indicator value: **6 – transition between values 5 and 7**
Reaction indicator value: **3 – acidity indicator, occurring mainly in acidic conditions, exceptionally in neutral conditions**
Nutrient indicator value: **4 – transition between values 3 and 5**
Salinity indicator value: **0 – not salt tolerant, glycophyte**



Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.22**
Herb layer disturbance frequency indicator value: **-0.5**
Whole-community disturbance severity indicator value: **0.25**
Herb layer disturbance severity indicator value: **0.25**
Whole-community structure based disturbance indicator value: **0.38**
Herb layer structure-based disturbance indicator value: **0.49**



Habitat and sociology

Occurrence in habitats

2 Alpine and subalpine grasslands

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

4 Wetland and riverine herbaceous vegetation

4K Petasites fringes of montane brooks: **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**
5E Acidic moss-rich fens and peatland meadows: **1 – rare occurrence**



6 Meadows and mesic pastures

6B Montane mesic meadows: **2 – optimum**
6E Wet Cirsium meadows: **1 – rare occurrence**
6F Intermittently wet Molinia meadows: **1 – rare occurrence**

7 Acidophilous grasslands

7A Subalpine and montane acidophilous grasslands: **2 – optimum**

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

11 Heathlands and scrub

11D Subalpine acidophilous Pinus mugo scrub: **1 – rare occurrence**

11H Subalpine deciduous scrub: **2 – optimum**

12 Forests

12B Alluvial forests: **1 – rare occurrence**

12C Oak-hornbeam forests: **1 – rare occurrence**

12E Herb-rich beech forests: **1 – rare occurrence**

12K Acidophilous oak forests: **1 – rare occurrence**

12R Acidophilous spruce forests: **1 – rare occurrence**

12S Basiphilous spruce forests: **1 – rare occurrence**

Affinity to the forest environment

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 alliances: **ADA *Calamagrostion villosae***, **ADD *Adenostylion alliariae***, **TDB *Polygono bistortae-Trisetion flavescentis***, **TEA *Nardion strictae***, **TEB *Nardo strictae-Agrostion tenuis***

Diagnostic taxon of associations: **ADA03 *Violo sudeticae-Deschampsietum cespitosae***, **ADD01 *Ranunculo platanifolii-Adenostyletum alliariae***, **ADD03 *Trollio altissimi-Geranietum sylvatici***, **TDB02 *Melandrio rubri-Phleetum alpini***, **TEA02 *Thesio alpini-Nardetum strictae***, **TEB01 *Sileno vulgaris-Nardetum strictae***

Constant taxon

Constant taxon of alliances: **TEB *Nardo strictae-Agrostion tenuis***

Constant taxon of associations: **ADA03 *Violo sudeticae-Deschampsietum cespitosae***, **ADD03 *Trollio altissimi-Geranietum sylvatici***, **TDB02 *Melandrio rubri-Phleetum alpini***, **TEA02 *Thesio alpini-Nardetum strictae***, **TEB01 *Sileno vulgaris-Nardetum strictae***

Dominant taxon

Dominant taxon of associations: **ADD03 *Trollio altissimi-Geranietum sylvatici***, **TDB03 *Meo athamantici-Festucetum rubrae***

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.8**

Ecological specialization index for non-forest vegetation: **5.4**

Ecological specialization index for forest vegetation: **5.4**

Colonization ability

Index of colonization success (ICS): **1**

Index of colonization potential (ICP): **1**

Distribution and frequency

Floristic zone: **southern temperate, submeridional**

Floristic region: **Europe**

Continentality degree: **4**

Distribution range extension along the continentality gradient: **2**

Elevational belt in the Czech Republic: **montane belt, subalpine belt (lowlands)**

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

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Oreophyticum

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 190

taxon.data.freq_in_quad: 358

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.4 %**

Occurrence frequency in vegetation plots with a cover above 5%: **39.8 %**

Occurrence frequency in vegetation plots with a cover above 25%: **10.6 %**

Occurrence frequency in vegetation plots with a cover above 50%: **2.7 %**

Mean percentage cover in vegetation plots: **10 %**

Maximum percentage cover in vegetation plots: **63 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **18**

Number of narrow habitats in which the taxon has its optimum: **4**

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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