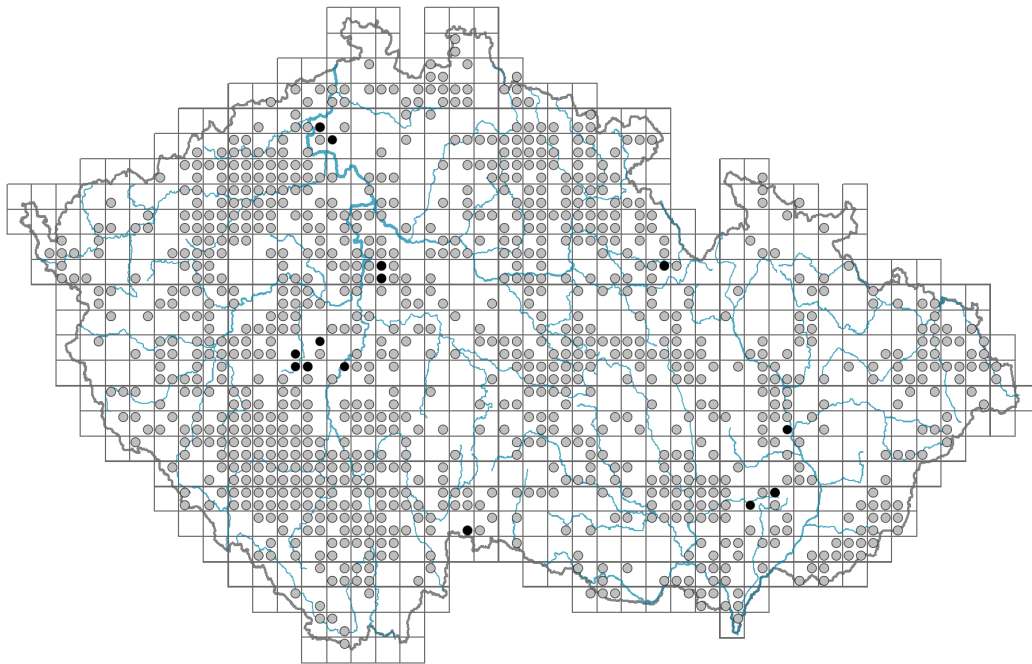


Puccinellia distans

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]: **0.15-0.4**Growth form: **clonal herb**Life form: **hemicryptophyte**Life strategy: **S - stress-tolerator**Life strategy (Pierce method based on leaf traits): **R/CR**Life strategy (Pierce method, C-score): **17.8 %**Life strategy (Pierce method, S-score): **10.8 %**Life strategy (Pierce method, R-score): **71.4 %**

Leaf

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

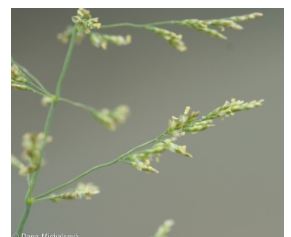
Flower

Flowering period [month]: **May-September**

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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: **allogamy**

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 (b)**

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 (cyclicality): **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]: **3.3**

Number of clonal offspring: **4.3**

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): **8**

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): **13**

Depth of the belowground bud bank (root buds excluded) [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): **8**

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): **13**

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): **42**

Ploidy level (x): **6**

2C genome size [Mbp]: **7630.3**

1Cx monoploid genome size [Mbp]: **1271.72**

Genomic GC content: **47 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **9 - full light plant, occurring only in fully irradiated places, not at less than 50% of diffuse radiation incident in an open area**

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

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

Reaction indicator value: **7 - indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**

Nutrient indicator value: **5 - occurring at moderately nutrient-rich sites, and less frequently at poor and rich sites**

Salinity indicator value: **5 - α -mesohaline, mostly on soils with a moderate salt content**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **0.04**

Herb layer disturbance frequency indicator value: **0.04**

Whole-community disturbance severity indicator value: **0.6**

Herb layer disturbance severity indicator value: **0.61**

Whole-community structure based disturbance indicator value: **0.62**

Herb layer structure-based disturbance indicator value: **0.65**

Habitat and sociology

Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

4B Halophilous reed and sedge beds: **1 - rare occurrence**

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

4I Vegetation of nitrophilous annual hygrophilous herbs: **2 - optimum**

6 Meadows and mesic pastures

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

10 Saline vegetation

10G Continental vegetation of annual halophilous grasses: **2 - optimum**

10H Inland vegetation of succulent halophytes: **2 - optimum**

10I Inland saline meadows: **2 - optimum**

10J Saline steppes: **3 - dominant**

13 Anthropogenic vegetation



13A Annual vegetation of ruderal habitats: **1 - rare occurrence**

13C Annual vegetation of trampled habitats: **2 - optimum**

13D Perennial thermophilous ruderal vegetation: **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: [TA *Crypsietea aculeatae*](#), [TB *Thero-Salicornietea strictae*](#), [TC *Festuco-Puccinellietea*](#)

Diagnostic taxon of alliances: [TAA *Cypero-Spergularion salinae*](#), [TBA *Salicornion prostratae*](#), [TCA *Puccinellion limosae*](#), [TCB *Juncion gerardii*](#)

Diagnostic taxon of associations: [TAA02 *Heleochloëtum schoenoidis*](#), [TBA01 *Salicornietum prostratae*](#), [TBA02 *Spergulario marginatae-Suaedetum prostratae*](#), [TCA01 *Puccinellietum limosae*](#), [TCB01 *Scorzonero parviflorae-Juncetum gerardii*](#), [TCB03 *Agrostio stoloniferae-Juncetum ranarii*](#), [XAA03 *Poo annuae-Coronopodetum squamati*](#)

Constant taxon

Constant taxon of classes: [TB *Thero-Salicornietea strictae*](#)

Constant taxon of alliances: [TBA *Salicornion prostratae*](#), [TCA *Puccinellion limosae*](#)

Constant taxon of associations: [TAA02 *Heleochloëtum schoenoidis*](#), [TBA01 *Salicornietum prostratae*](#), [TBA02 *Spergulario marginatae-Suaedetum prostratae*](#), [TCA01 *Puccinellietum limosae*](#)

Dominant taxon

Dominant taxon of associations: [TCA01 *Puccinellietum limosae*](#)

Ecological specialization indices

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

Ecological specialization index for non-forest vegetation: **4.2**

Colonization ability

Index of colonization success (ICS): **3**

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

Optimum successional age [years]: **2.5**

Distribution and frequency

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

Floristic region: **Europe, Western Asia**

Distribution range extension along the continentality gradient: **9**

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

Expansive taxon in the region: **Bohemian Thermophyticum, Bohemian Moravian Mesophyticum, Pannonian Thermophyticum, Carpathian Mesophyticum**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 470

taxon.data.freq_in_quad: 991

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%: **31.6 %**

Occurrence frequency in vegetation plots with a cover above 25%: **17.3 %**

Occurrence frequency in vegetation plots with a cover above 50%: **10.5 %**

Mean percentage cover in vegetation plots: **13.2 %**

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: **11**

Number of narrow habitats in which the taxon has its optimum: **6**

Number of broad habitats in which the taxon occurs: **4**

Number of broad habitats in which the taxon has its optimum: **3**

Threats and protection

Red List 2017 (national categories): **C1t - critically threatened taxon, declining**

Red List 2017 (IUCN categories): **CR - critically endangered**

Legal protection: **not protected by law**