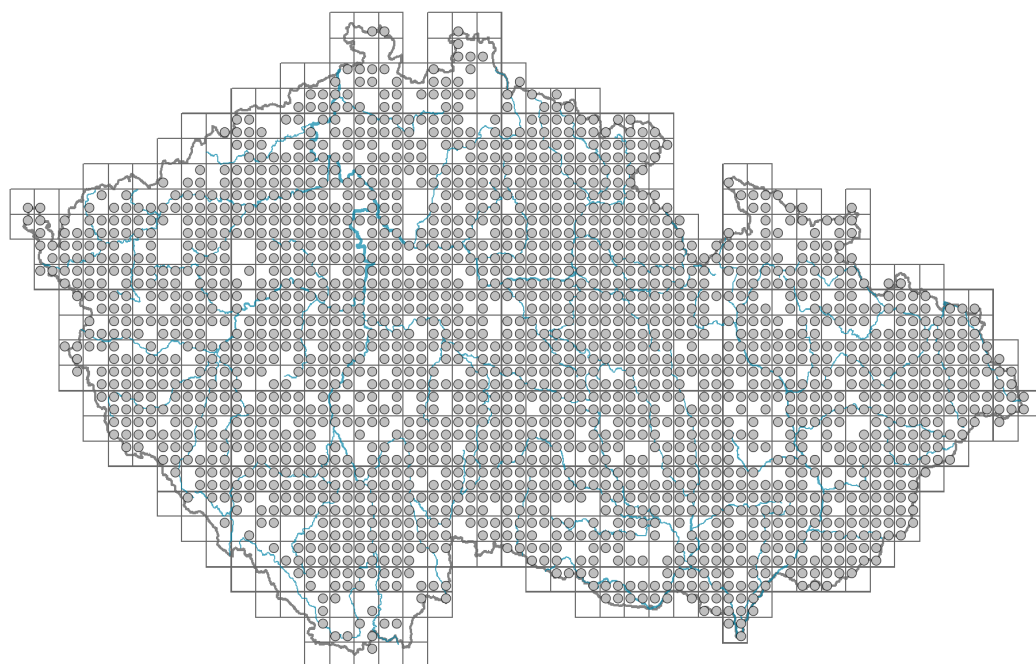


Potentilla anserina

Distribution

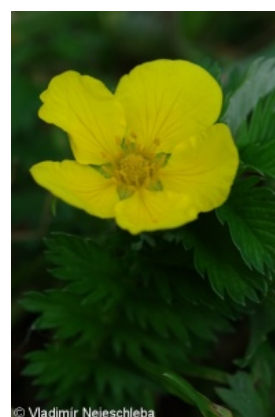


Map info

● 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]: **0.1-0.3**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

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

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

Life strategy (Pierce method, C-score): **52.6 %**

Life strategy (Pierce method, S-score): **21.4 %**

Life strategy (Pierce method, R-score): **26 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**

Leaf arrangement (phyllotaxis): **rosulate**

Leaf shape: **compound - interruptedly pinnate**

Stipules: **present**

Petiole: **present**

Leaf life span: **summer green**

Leaf anatomy: **hygromorphic, helomorphic**

Flower

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

Flowering phase: **5 Sorbus aucuparia-Galium odoratum (end of mid-spring)**

Flower colour: **yellow**

Flower symmetry: **actinomorphic**

Perianth type: **calyx and corolla**

Perianth fusion: **free**

Calyx fusion: **aposepalous**

Inflorescence type: **flores solitarii**

Dicliny: **synoecious, gynomonoecious, gynodioecious**

Generative reproduction type: **alogamy self-incompatibility**

Pollination syndrome: **insect-pollination**

Pollinator spectrum: **hoverflies, other Diptera (bumblebees, meat flies s. l., nitidulids, other pollinators)**



Fruit, seed and dispersal

Fruit type: **dry fruit - head of achenes**

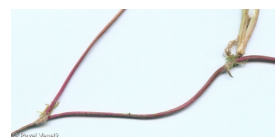
Fruit colour: **brown**

Reproduction type: **by seed/spores and vegetatively**

Dispersal unit (diaspore): **fruit, infrutescence or its part**

Dispersal strategy: **Allium (mainly autochory)**

Myrmecochory: **probably myrmecochorous**



Belowground organs and clonality

Shoot metamorphosis: **stolon, rhizome**

Storage organ: **stolon, rhizome**

Type of clonal growth organ: **stolon**

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

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

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

Primary root: **absent**

Persistence of the clonal growth organ [year]: **2.4**

Number of clonal offspring: **3.6**

Lateral spreading distance by clonal growth [m]: **0.24**

Clonal index: **6**

Position of root buds: **lateral roots**

Role of root buds in life-history of a plant: **regenerative**



Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **13**

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): **28**

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

Number of buds per shoot at the soil surface (root buds included): **13**

Number of buds per shoot at a depth of 0-10 cm (root buds included): **19**

Number of buds per shoot at a depth greater than 10 cm (root buds included): **15**

Size of the belowground bud bank (root buds included): **47**

Depth of the belowground bud bank (root buds included) [cm]: **7**

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

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

Karyology

Chromosome number (2n): **28 (35, 42)**

Ploidy level (x): **4 (5, 6)**

2C genome size [Mbp]: **921.96**

1Cx monoploid genome size [Mbp]: **230.49**

Genomic GC content: **40.3 %**

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: **6 - transition between values 5 and 7**

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

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

Nutrient indicator value: **7 - occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**

Salinity indicator value: **3 - β -mesohaline, mostly on soils with low salt content**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.24**

Herb layer disturbance frequency indicator value: **-0.24**

Whole-community disturbance severity indicator value: **0.54**

Herb layer disturbance severity indicator value: **0.56**

Whole-community structure based disturbance indicator value: **0.65**

Herb layer structure-based disturbance indicator value: **0.74**

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

4B Halophilous reed and sedge beds: **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**

4G Tall-sedge beds: **1 - rare occurrence**

- 4H Vegetation of low annual hygrophilous herbs: **1 - rare occurrence**
- 4I Vegetation of nitrophilous annual hygrophilous herbs: **2 - optimum**
- 4L Nitrophilous herbaceous fringes of lowland rivers: **1 - rare occurrence**
- 5 Vegetation of springs and mires
- 5D Calcareous fens: **1 - rare occurrence**
- 6 Meadows and mesic pastures
- 6A Mesic Arrhenatherum meadows: **1 - rare occurrence**
- 6C Pastures and park grasslands: **2 - optimum**
- 6D Alluvial meadows of lowland rivers: **2 - optimum**
- 6E Wet Cirsium meadows: **1 - rare occurrence**
- 6F Intermittently wet Molinia meadows: **1 - rare occurrence**
- 6G Vegetation of wet disturbed soils: **3 - dominant**
- 8 Dry grasslands
- 8D Broad-leaved dry grasslands: **1 - rare occurrence**
- 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**
- 10 Saline vegetation
- 10G Continental vegetation of annual halophilous grasses: **1 - rare occurrence**
- 10I Inland saline meadows: **3 - dominant**
- 10J Saline steppes: **3 - dominant**
- 11 Heathlands and scrub
- 11J Willow galleries of loamy and sandy river banks: **1 - rare occurrence**
- 11R Scrub and pioneer woodland of forests clearings: **1 - rare occurrence**
- 12 Forests
- 12A Alder carrs: **1 - rare occurrence**
- 12B Alluvial forests: **1 - rare occurrence**
- 13 Anthropogenic vegetation
- 13A Annual vegetation of ruderal habitats: **1 - rare occurrence**
- 13B Annual vegetation of arable land: **1 - rare occurrence**
- 13C Annual vegetation of trampled 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: **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: [**TC Festuco-Puccinellietea**](#)
- Diagnostic taxon of alliances: [**MCB Meliloto dentati-Bolboschoenion maritimi, TCA Puccinellion limosae, TCB Juncion gerardii**](#)
- Diagnostic taxon of associations: [**MCB01 Astero pannonic-Bolboschoenetum compacti, TCA01 Puccinellietum limosae, TCB01 Scorzonero parviflorae-Juncetum gerardii, TCB02 Loto tenuis-Potentilletum anserinae, TCB03 Agrostio stoloniferae-Juncetum ranarii, XBI05 Matricario discoideae-Anthemidetum**](#)

[cotulae](#)

Constant taxon

Constant taxon of classes: [TC Festuco-Puccinellietea](#)

Constant taxon of alliances: [TCA Puccinellion limosae](#), [TCB Juncion gerardii](#)

Constant taxon of associations: [MCB01 Astero pannonici-Bolboschoenetum compacti](#), [TCA01 Puccinellietum limosae](#), [TCB01 Scorzonero parviflorae-Juncetum gerardii](#), [TCB02 Loto tenuis-Potentilletum anserinae](#), [TCB03 Agrostio stoloniferae-Juncetum ranarii](#), [XBI05 Matricario discoideae-Anthemidetum cotulae](#)

Dominant taxon

Dominant taxon of associations: [TCB01 Scorzonero parviflorae-Juncetum gerardii](#), [TCB02 Loto tenuis-Potentilletum anserinae](#), [TDC03 Lolietum perennis](#), [XBI05 Matricario discoideae-Anthemidetum cotulae](#), [XDD02 Torilidetum japonicae](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **3.6**

Ecological specialization index for non-forest vegetation: **3.6**

Colonization ability

Index of colonization success (ICS): **5**

Index of colonization potential (ICP): **4**

Optimum successional age [years]: **7.5**

Distribution and frequency

Floristic zone: **boreal, northern temperate, southern temperate, submeridional, austral or antarctic**

Floristic region: **circumpolar**

Distribution range extension along the continentality gradient: **8**

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **628**

taxon.data.freq_in_quad: **2022**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **2.4 %**

Occurrence frequency in vegetation plots with a cover above 5%: **15.4 %**

Occurrence frequency in vegetation plots with a cover above 25%: **6 %**

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

Mean percentage cover in vegetation plots: **6.2 %**

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: **32**

Number of narrow habitats in which the taxon has its optimum: **7**

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

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

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)**

List)

Legal protection: **not protected by law**