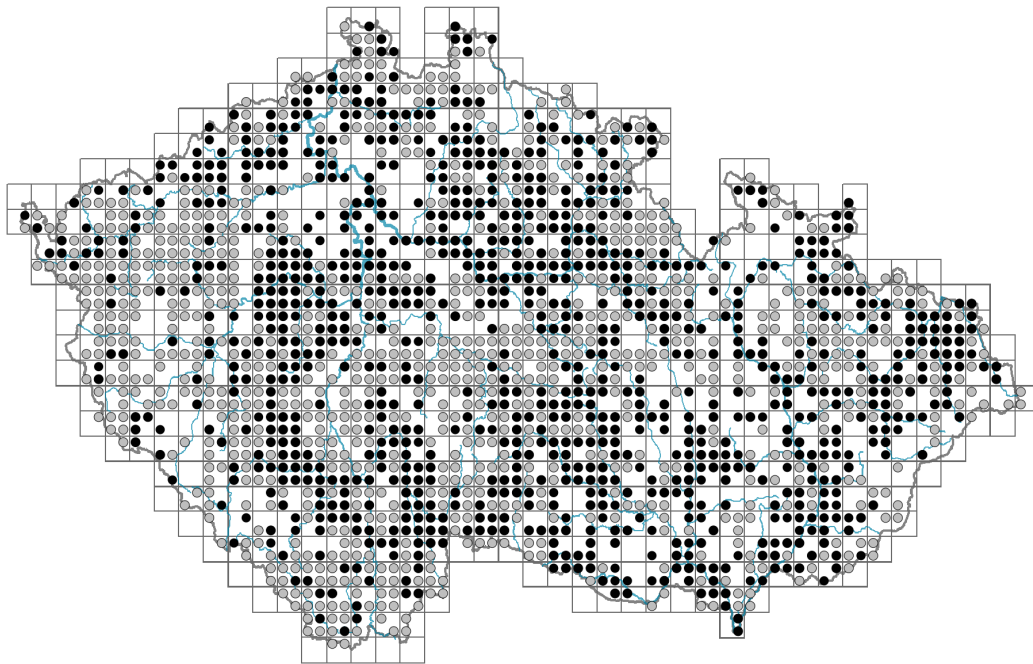


# *Alopecurus aequalis*

## 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]: **0.1-0.25**

Growth form: **annual herb (clonal herb)**

Life form: **therophyte (hemicryptophyte)**

Life strategy: **SR - stress-tolerator/ruderal**

Life strategy (Pierce method based on leaf traits): **R/CR**

Life strategy (Pierce method, C-score): **22.2 %**

Life strategy (Pierce method, S-score): **10.8 %**

Life strategy (Pierce method, R-score): **67 %**



© Dana Michalová

## 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: **helomorphic**



© Dana Michalová

## Flower

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

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

Flower colour: **green**

Perianth type: **reduced**

Perianth fusion: **reduced**

Inflorescence type: **pseudospica e spiculis composita**

Dicliny: **synoecious**

Generative reproduction type: **facultative autogamy**

Pollination syndrome: **wind-pollination, selfing**

## Fruit, seed and dispersal

Fruit type: **dry fruit - caryopsis**

Fruit colour: **brown**

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

Dispersal unit (diaspore): **fruit, infructescence or its part, shoot fragment**

Dispersal strategy: **Sparganium (mainly autochory and hydrochory)**

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

## Belowground organs and clonality

Shoot metamorphosis: **stolon, rhizome**

Storage organ: **stolon, rhizome**

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

Primary root: **absent**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **7**

Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **2**

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): **9**

Depth of the belowground bud bank (root buds excluded) [cm]: **2**

Number of buds per shoot at the soil surface (root buds included): **7**

Number of buds per shoot at a depth of 0–10 cm (root buds included): **2**

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): **9**

Depth of the belowground bud bank (root buds included) [cm]: **2**

## 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]: **5802.66**

1Cx monoploid genome size [Mbp]: **2901.33**

Genomic GC content: **46.6 %**



## Taxon origin

Origin in the Czech Republic: **native**

## Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **8 - light plant, only exceptionally occurring at less than 40% 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: **6x - transition between values 5 and 7 (generalist)**

Nutrient indicator value: **8 - pronounced nutrient indicator**

Salinity indicator value: **2 - oligohaline, often on soils with very low salt content**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.46**

Herb layer disturbance frequency indicator value: **-0.45**

Whole-community disturbance severity indicator value: **0.4**

Herb layer disturbance severity indicator value: **0.43**

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

Herb layer structure-based disturbance indicator value: **0.67**

## Habitat and sociology

Occurrence in habitats

3 Aquatic vegetation

3A Macrophytic vegetation of eutrophic and mesotrophic still waters: **1 - rare occurrence**

3C Macrophytic vegetation of oligotrophic lakes and pools: **2 - optimum**

4 Wetland and riverine herbaceous vegetation

4A Reed-beds of eutrophic still waters: **1 - rare occurrence**

4B Halophilous reed and sedge beds: **2 - optimum**

4C Eutrophic vegetation of muddy substrata: **2 - optimum**

4D Riverine reed vegetation: **1 - rare occurrence**

4E Reed vegetation of brooks: **2 - optimum**

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

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

4H Vegetation of low annual hygrophilous herbs: **4 - constant dominant**

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

5 Vegetation of springs and mires

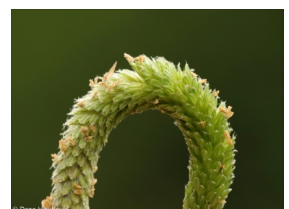
5B Lowland to montane soft-water springs: **1 - rare occurrence**

6 Meadows and mesic pastures

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

10 Saline vegetation

10I Inland saline meadows: **1 - rare occurrence**





## 12 Forests

12A Alder carrs: **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: [MA \*Isoëto-Nano-Juncetea\*](#), [MB \*Bidentetea tripartitae\*](#), [VD \*Littorelletea uniflorae\*](#)

Diagnostic taxon of alliances: [MAA \*Eleocharition ovatae\*](#), [MAB \*Radiolion linoidis\*](#), [MAC \*Verbenion supinae\*](#), [MBA \*Bidention tripartitae\*](#), [VDB \*Eleocharition acicularis\*](#)

Diagnostic taxon of associations: [MAA01 \*Polygono-Eleocharitetum ovatae\*](#), [MAA03 \*Stellario uliginosae-Isolepidetum setaceae\*](#), [MAB02 \*Junco tenageiae-Radioletum linoidis\*](#), [MAC01 \*Veronico anagalloidis-Lythretum hyssopifoliae\*](#), [MBA01 \*Rumici maritimi-Ranunculetum scelerati\*](#), [MBA02 \*Bidentetum tripartitae\*](#), [MBA04 \*Polygono brittingeri-Chenopodietum rubri\*](#), [MBA05 \*Corrigiolo littoralis-Bidentetum radiatae\*](#), [MCC07 \*Alopecuro-Alismatetum plantaginis-aquaticae\*](#), [MCC08 \*Alismatetum lanceolati\*](#)

Constant taxon

Constant taxon of classes: [MA \*Isoëto-Nano-Juncetea\*](#)

Constant taxon of alliances: [MAA \*Eleocharition ovatae\*](#), [MAB \*Radiolion linoidis\*](#), [MAC \*Verbenion supinae\*](#)

Constant taxon of associations: [MAA01 \*Polygono-Eleocharitetum ovatae\*](#), [MAA03 \*Stellario uliginosae-Isolepidetum setaceae\*](#), [MAB02 \*Junco tenageiae-Radioletum linoidis\*](#), [MAC01 \*Veronico anagalloidis-Lythretum hyssopifoliae\*](#), [MBA01 \*Rumici maritimi-Ranunculetum scelerati\*](#), [MBA02 \*Bidentetum tripartitae\*](#), [MBA04 \*Polygono brittingeri-Chenopodietum rubri\*](#), [MBA05 \*Corrigiolo littoralis-Bidentetum radiatae\*](#), [MBB04 \*Chenopodio chenopodioidis-Atriplicetum prostratae\*](#), [MCC07 \*Alopecuro-Alismatetum plantaginis-aquaticae\*](#), [MCC08 \*Alismatetum lanceolati\*](#), [VBD05 \*Ranunculetum baudotii\*](#)

Dominant taxon

Dominant taxon of associations: [MBA01 \*Rumici maritimi-Ranunculetum scelerati\*](#), [MBA05 \*Corrigiolo littoralis-Bidentetum radiatae\*](#), [MCC01 \*Oenanthe aquatica\*](#), [MCC09 \*Batrachio circinati-Alismatetum graminei\*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.6**

Ecological specialization index for non-forest vegetation: **4.6**

Ecological specialization index for forest vegetation: **4.7**

Colonization ability

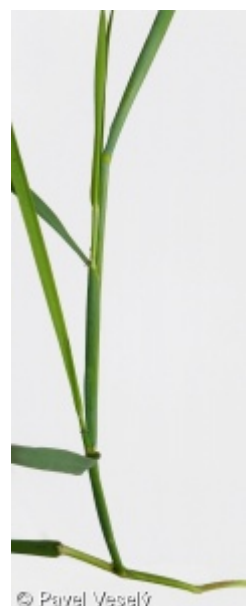
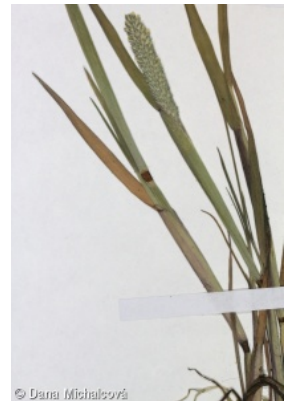
Index of colonization success (ICS): **6**

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

Optimum successional age [years]: **5**

## Distribution and frequency

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



Floristic region: **circumpolar**

Continentality degree: **6**

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

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: **621**

taxon.data.freq\_in\_quad: 1798

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **2.5 %**

Occurrence frequency in vegetation plots with a cover above 5%: **20.5 %**

Occurrence frequency in vegetation plots with a cover above 25%: **6.6 %**

Occurrence frequency in vegetation plots with a cover above 50%: **1.6 %**

Mean percentage cover in vegetation plots: **6.7 %**

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: **15**

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

Number of broad habitats in which the taxon occurs: **6**

Number of broad habitats in which the taxon has its optimum: **2**

## 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**

