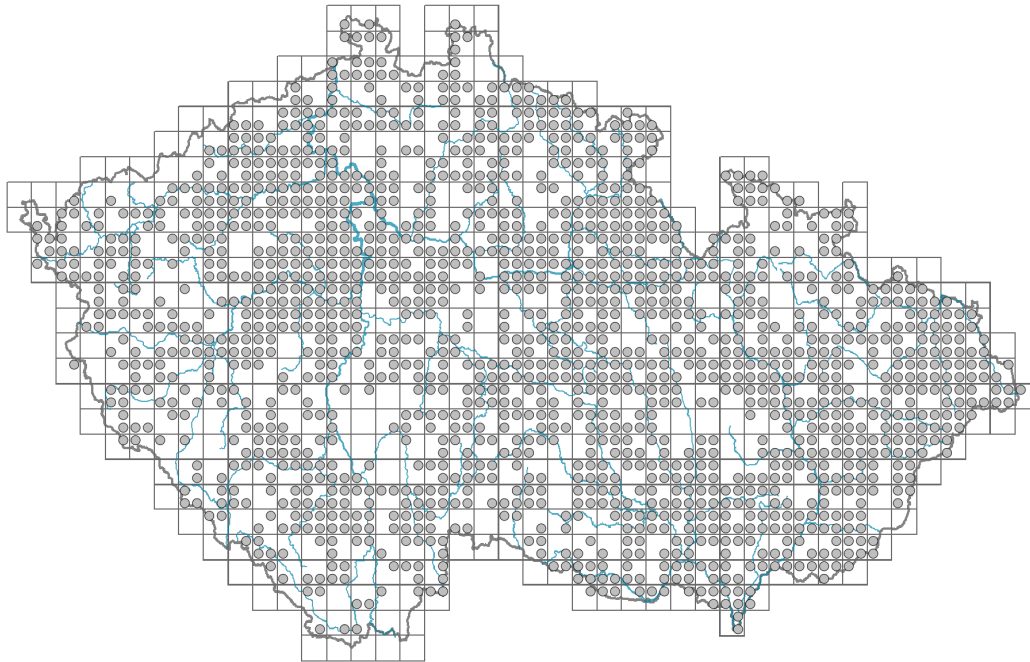


# *Polygonum aviculare*

## 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.



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## Habitus and growth type

Height [m]: **0.1-0.6**

Growth form: **annual herb**

Life form: **therophyte**

Life strategy: **R - ruderal**

## Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **present**

Petiole: **present**

Leaf life span: **summer green**

Leaf anatomy: **scleromorphic, mesomorphic**

## Flower

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

Flowering phase: **7 Ligustrum vulgare-Stachys sylvatica (end of early summer)**

Flower colour: **green-white, pink**

Flower symmetry: **actinomorphic**

Perianth type: **homochlamydeous**



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Perianth fusion: **fused**

Shape of the sympetalous corolla or syntepalous perianth: **tubular**

Inflorescence type: **fasciculus**

Dicliny: **synoecious**

Generative reproduction type: **autogamy**

Pollination syndrome: **insect-pollination, selfing, cleistogamy**

### Fruit, seed and dispersal

Fruit type: **dry fruit - achene/cypsela/samara**

Fruit colour: **brown, black**

Reproduction type: **only by seed/spores**

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

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

Myrmecochory: **probably non-myrmecochorous**

### Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

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

### Karyology

Chromosome number (2n): **60 (40)**

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

2C genome size [Mbp]: **2249.87**

1Cx monoploid genome size [Mbp]: **374.98**

Genomic GC content: **41.6 %**

### 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: **5 - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out**

Reaction indicator value: **6x - transition between values 5 and 7 (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: **1 - salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**



## Habitat and sociology

Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

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

4I Vegetation of nitrophilous annual hygrophilous herbs: **1 - rare occurrence**

6 Meadows and mesic pastures

6C Pastures and park grasslands: **1 - rare occurrence**

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

10 Saline vegetation

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

11 Heathlands and scrub

11R Scrub and pioneer woodland of forests clearings: **1 - rare occurrence**

12 Forests

12T Robinia pseudacacia plantations: **1 - rare occurrence**

13 Anthropogenic vegetation

13A Annual vegetation of ruderal habitats: **2 - optimum**

13B Annual vegetation of arable land: **2 - optimum**

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

13D Perennial thermophilous ruderal vegetation: **1 - rare occurrence**

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **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: [XB \*Stellarietea mediae\*](#)

Diagnostic taxon of alliances: [XBA \*Caucalidion\*](#), [XBC \*Scleranthion annui\*](#)

Diagnostic taxon of associations: [XBA01 \*Caucalido platycarpi-Conringietum orientalis\*](#), [XBA03 \*Euphorbio exiguae-Melandrietum noctiflori\*](#), [XBG12 \*Ivaetum xanthiifoliae\*](#), [XBK05 \*Setario pumilae-Hibiscetum trioni\*](#)

Constant taxon

Constant taxon of classes: [XB \*Stellarietea mediae\*](#)

Constant taxon of alliances: [XBA \*Caucalidion\*](#), [XBB \*Veronico-Euphorbion\*](#), [XBC \*Scleranthion annui\*](#), [XBF \*Spergulo arvensis-Erodion cicutariae\*](#)

Constant taxon of associations: [MAC02 \*Cerastio dubii-Ranunculetum sardoii\*](#), [XBA01 \*Caucalido platycarpi-Conringietum orientalis\*](#), [XBA02 \*Lathyro tuberosi-Adonidetum aestivalis\*](#), [XBA03 \*Euphorbio exiguae-Melandrietum noctiflori\*](#), [XBA04 \*Stachyo annuae-Setarietum pumilae\*](#), [XBB01 \*Mercurialietum annuae\*](#), [XBB02 \*Veronico-Lamietum hybridi\*](#), [XBC01 \*Aphano arvensis-Matricarietum chamomillae\*](#), [XBC02 \*Spergulo arvensis-Scleranthetum annui\*](#), [XBC03 \*Erophilo vernaе-Arabidopsietum thalianae\*](#), [XBF01 \*Setario pumilae-Echinochloëtum cruris-galli\*](#), [XBG06 \*Atriplicetum roseae\*](#), [XBG10 \*Chamaeplietum officinalis\*](#), [XBG12 \*Ivaetum xanthiifoliae\*](#), [XBG13 \*Kochietum densiflorae\*](#), [XBH01 \*Hordeetum murini\*](#), [XBJ01 \*Chenopodietum botryos\*](#), [XBK03 \*Eragrostio poaeoidis-Panicetum capillaris\*](#), [XBK05 \*Setario pumilae-Hibiscetum trioni\*](#)

Dominant taxon

Dominant taxon of associations: **XBG06 *Atriplicetum roseae***

Colonization ability

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

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

Optimum successional age [years]: **1**

### **Distribution and frequency**

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

Floristic region: **circumpolar**

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: 586

taxon.data.freq\_in\_quad: 1545

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **12**

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

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

Number of broad habitats in which the taxon has its optimum: **1**

### **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**