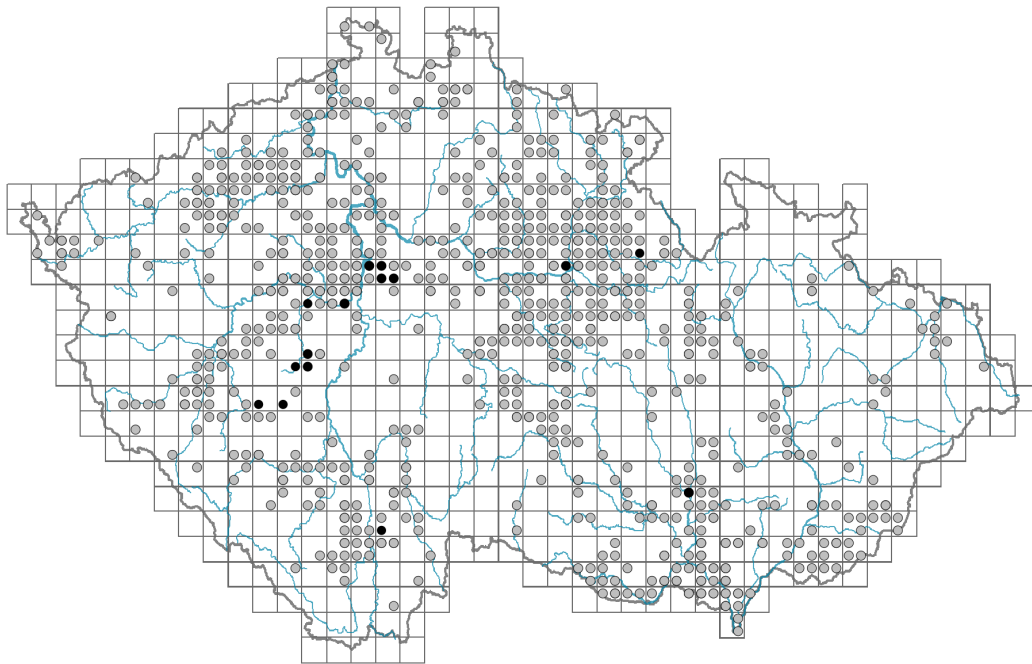


# *Atriplex prostrata*

## 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]: **0.2-0.6**

Growth form: **annual herb**

Life form: **therophyte**

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

Life strategy (Pierce method, C-score): **58 %**

Life strategy (Pierce method, S-score): **0 %**

Life strategy (Pierce method, R-score): **42.1 %**

## Leaf

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

Leaf arrangement (phyllotaxis): **alternate, opposite**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

Leaf life span: **summer green**

Leaf anatomy: **mesomorphic**

## Flower

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

Flower colour: **green**



Flower symmetry: **actinomorphic**  
 Perianth type: **homochlamydeous, sometimes absent**  
 Perianth fusion: **free**  
 Inflorescence type: **pseudospica**  
 Generative reproduction type: **mixed mating**  
 Pollination syndrome: **wind-pollination, insect-pollination, selfing**

### 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, infructescence or its part**  
 Dispersal strategy: **Allium (mainly autochory)**  
 Myrmecochory: **non-myrmecochorous (b)**

### Belowground organs and clonality

Shoot life span (cyclicality): **monocyclic shoots prevailing**  
 Primary root: **present**  
 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): **0**  
 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): **5**  
 Depth of the belowground bud bank (root buds excluded) [cm]: **1**  
 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): **0**  
 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): **5**  
 Depth of the belowground bud bank (root buds included) [cm]: **1**

### Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**  
 Carnivory: **non-carnivorous**  
 Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

### 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: **7 - heat indicator, occurring in relatively warm lowlands**



Moisture indicator value: **7 - humidity indicator, focus on well moistened, but not wet soils**

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

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

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

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.15**

Herb layer disturbance frequency indicator value: **-0.15**

Whole-community disturbance severity indicator value: **0.65**

Herb layer disturbance severity indicator value: **0.66**

Whole-community structure based disturbance indicator value: **0.61**

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**

4C Eutrophic vegetation of muddy substrata: **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

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

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: **2 - optimum**

13 Anthropogenic vegetation

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

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**

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: [MB \*Bidentetea tripartitae\*](#), [TA \*Crypsietea aculeatae\*](#), [TB \*Thero-Salicornietea strictae\*](#)

Diagnostic taxon of alliances: [MAC \*Verbenion supinae\*](#), [MBB \*Chenopodion rubri\*](#), [TAA \*Cypero-Spergularion salinae\*](#), [TBA \*Salicornion prostratae\*](#), [TCA \*Puccinellion limosae\*](#)



Diagnostic taxon of associations: [MAC01 \*Veronico anagalloides-Lythretum hyssopifoliae\*](#), [MBA04 \*Polygono brittingeri-Chenopodietum rubri\*](#), [MBB02 \*Bidentifrondosae-Atriplicetum prostratae\*](#), [MBB04 \*Chenopodio chenopodioidis-Atriplicetum prostratae\*](#), [MCB01 \*Astero pannonici-Bolboschoenetum compacti\*](#), [TAA02 \*Heleochloëtum schoenoidis\*](#), [TBA02 \*Spergulario marginatae-Suaedetum prostratae\*](#), [TCA01 \*Puccinellietum limosae\*](#), [TCB03 \*Agrostio stoloniferae-Juncetum ranarii\*](#), [XBG02 \*Chenopodietum urbici\*](#)

Constant taxon

Constant taxon of alliances: [TCA \*Puccinellion limosae\*](#)

Constant taxon of associations: [MBA04 \*Polygono brittingeri-Chenopodietum rubri\*](#), [MBB02 \*Bidentifrondosae-Atriplicetum prostratae\*](#), [MBB04 \*Chenopodio chenopodioidis-Atriplicetum prostratae\*](#), [TAA02 \*Heleochloëtum schoenoidis\*](#), [TCA01 \*Puccinellietum limosae\*](#)

Dominant taxon

Dominant taxon of associations: [MBB02 \*Bidentifrondosae-Atriplicetum prostratae\*](#), [XBG08 \*Descurainietum sophiae\*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.1**

Ecological specialization index for non-forest vegetation: **4.1**

Colonization ability

Index of colonization success (ICS): **2**

Index of colonization potential (ICP): **2**

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

## Distribution and frequency

Distribution range extension along the continentality gradient: **7**

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: 342

taxon.data.freq\_in\_quad: 671

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.5 %**

Occurrence frequency in vegetation plots with a cover above 5%: **18.1 %**

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

Occurrence frequency in vegetation plots with a cover above 50%: **8.8 %**

Mean percentage cover in vegetation plots: **9.9 %**

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**

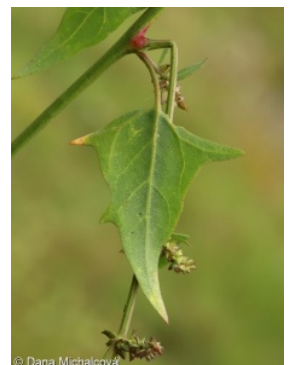
Number of broad habitats in which the taxon occurs: **4**

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

## Threats and protection

Red List 2017 (national categories): **C4a - near threatened taxon**

Red List 2017 (IUCN categories): **NT - near threatened**



Legal protection: **not protected by law**