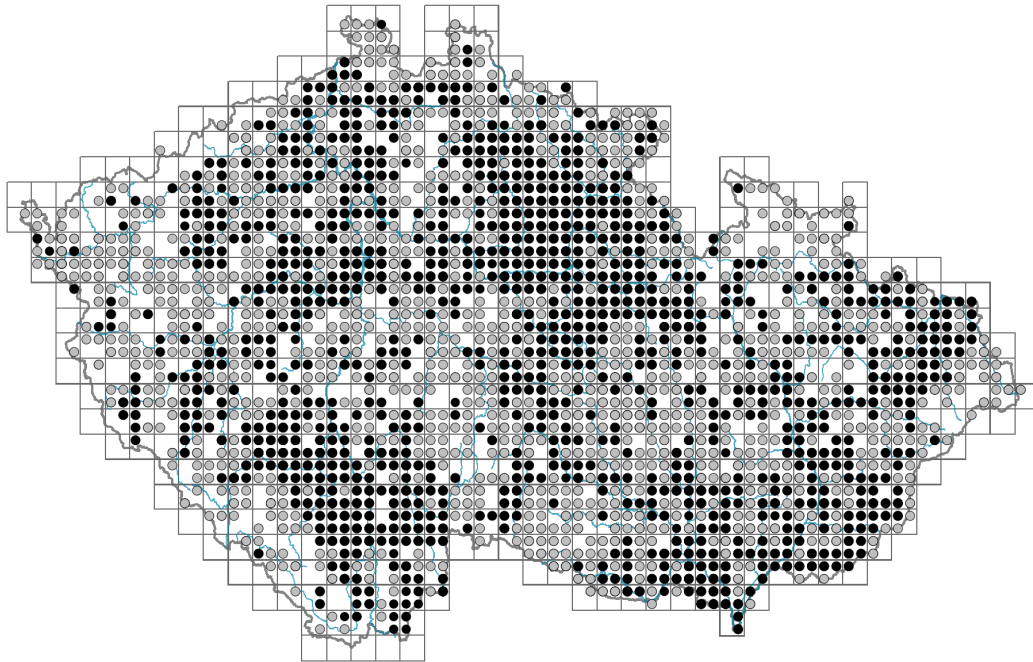


# *Chenopodium album* agg.

## 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]: **0.1-1.8**

Growth form: **annual herb**

Life form: **therophyte**

Life strategy: **CR - competitor/ruderal, R - ruderal**

## Leaf

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

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

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present, mainly present**

Leaf life span: **summer green**

Leaf anatomy: **scleromorphic, mesomorphic, hygromorphic**



## Flower

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

Flowering phase: **8 Clematis vitalba-Galium sylvaticum (mid-summer)**

Flower colour: **green**

Flower symmetry: **actinomorphic**

Perianth type: **homochlamydeous**

Perianth fusion: **free, fused**

Inflorescence type: **panicula e pseudospicis composita, pseudospica**

Dicliny: **synoecious**

Generative reproduction type: **facultative allogamy, facultative autogamy, mixed mating**

Pollination syndrome: **wind-pollination**

## Fruit, seed and dispersal

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

Fruit colour: **green, yellow, brown, grey**

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

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

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

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

## Belowground organs and clonality

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

Primary root: **present**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **2**

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

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

Size of the belowground bud bank (root buds excluded): **2**

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

Number of buds per shoot at the soil surface (root buds included): **2**

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

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

Size of the belowground bud bank (root buds included): **2**

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

## Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

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

## Karyology

Chromosome number (2n): **18, 36, 54**

Ploidy level (x): **2, 4, 6**

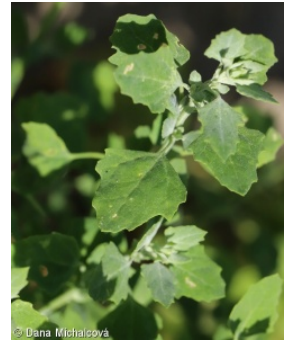
2C genome size [Mbp]: **2291.61**

1Cx monoploid genome size [Mbp]: **538.32**

## Taxon origin

Origin in the Czech Republic: **native**

Geographic origin: **Europe, Mediterranean, North America, South America, Asia**



## 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: **6x - transition between values 5 and 7 (generalist)**

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**

### Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.05**

Herb layer disturbance frequency indicator value: **0.02**

Whole-community disturbance severity indicator value: **0.9**

Herb layer disturbance severity indicator value: **0.9**

Whole-community structure based disturbance indicator value: **0.67**

Herb layer structure-based disturbance indicator value: **0.71**

## 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

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

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

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

4E Reed vegetation of brooks: **1 - rare occurrence**

4H Vegetation of low annual hygrophilous herbs: **2 - optimum**

4I Vegetation of nitrophilous annual hygrophilous herbs: **3 - dominant**

4J River gravel banks: **1 - rare occurrence**

4L Nitrophilous herbaceous fringes of lowland rivers: **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**

#### 8 Dry grasslands

8A Hercynian dry grasslands on rock outcrops: **1 - rare occurrence**

8C Narrow-leaved sub-continental steppes: **1 - rare occurrence**

8F Thermophilous forest fringe vegetation: **1 - rare occurrence**

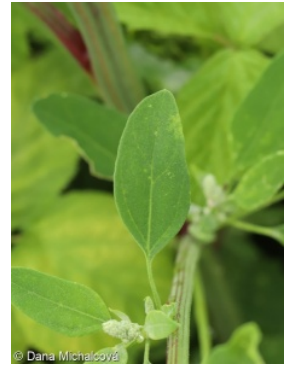
#### 9 Sand grasslands and rock-outcrop vegetation

9B Open vegetation of acidic sands: **1 - rare occurrence**

9C Festuca grasslands on acidic sands: **1 - rare occurrence**

#### 10 Saline vegetation

10G Continental vegetation of annual halophilous grasses: **1 - rare occurrence**





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

11 Heathlands and scrub

11J Willow galleries of loamy and sandy river banks: **1 - rare occurrence**

11L Tall mesic and xeric shrub: **1 - rare occurrence**

11N Low xeric scrub: **1 - rare occurrence**

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

12 Forests

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

12U Plantations of broad-leaved non-native trees: **1 - rare occurrence**

12V Spruce plantations: **1 - rare occurrence**

12W Pine and larch plantations: **1 - rare occurrence**

13 Anthropogenic vegetation

13A Annual vegetation of ruderal habitats: **4 - constant dominant**

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

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

13D Perennial thermophilous ruderal vegetation: **2 - optimum**

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: [XB Stellarietea mediae](#)

Diagnostic taxon of alliances: [MBB Chenopodion rubri](#), [XBA Caucalidion](#), [XBB Veronico-Euphorbion](#), [XBC Scleranthion annui](#), [XBE Oxalidion fontanae](#), [XBG Atriplicion](#)

Diagnostic taxon of associations: [XBB01 Mercurialietum annuae](#), [XBE01 Echinochloo cruris-galli-Chenopodietum polyspermi](#), [XBG01 Chenopodietum stricti](#), [XBG02 Chenopodietum urbici](#), [XBG10 Chamaeplietum officinalis](#), [XBG12 Ivaetum xanthiifoliae](#), [XBG13 Kochietum densiflorae](#), [XBK05 Setario pumilae-Hibiscetum trioni](#)

Constant taxon

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

Constant taxon of alliances: [MBB Chenopodion rubri](#), [XBA Caucalidion](#), [XBB Veronico-Euphorbion](#), [XBC Scleranthion annui](#), [XBD Arnoseridion minimae](#), [XBE Oxalidion fontanae](#), [XBF Spargulo arvensis-Erodion cicutariae](#), [XBG Atriplicion](#)

Constant taxon of associations: [MBB01 Chenopodietum rubri](#), [MBB02 Bidentifrondosae-Atriplicetum prostratae](#), [MBB03 Chenopodietum ficifolii](#), [XAB05 Lolio perennis-Matricarietum discoideae](#), [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 hybridum](#), [XBC01 Aphano arvensis-Matricarietum chamomillae](#), [XBC02 Spargulo arvensis-Scleranthetum annui](#), [XBD01 Sclerantho annui-Arnoseridetum minimae](#), [XBE01 Echinochloo cruris-galli-Chenopodietum polyspermi](#), [XBF01 Setario pumilae-Echinochloetum cruris-galli](#), [XBG01 Chenopodietum stricti](#), [XBG02 Chenopodietum urbici](#), [XBG03 Atriplicetum nitentis](#), [XBG04 Descurainio](#)



[sophiae-Atriplicetum oblongifoliae](#), [XBG05 Cynodonto dactyli-Atriplicetum tataricae](#), [XBG07 Sisymbrietum loeselii](#), [XBG08 Descurainietum sophiae](#), [XBG09 Sisymbrietum altissimi](#), [XBG10 Chamaeplietum officinalis](#), [XBG12 Ivaetum xanthiifoliae](#), [XBG13 Kochietum densiflorae](#), [XBH01 Hordeetum murini](#), [XBI01 Hyoscyamo nigri-Malvetum neglectae](#), [XBI03 Polygono arenastri-Chenopodietum muralis](#), [XBI04 Malvo neglectae-Chenopodietum vulvariae](#), [XBJ02 Bromo tectorum-Corispermetum leptopteri](#), [XBK03 Eragrostio poaeoidis-Panicetum capillaris](#), [XBK05 Setario pumilae-Hibiscetum trioni](#)

Dominant taxon

Dominant taxon of associations: [MBB03 Chenopodietum ficifolii](#), [XBB01 Mercurialietum annuae](#), [XBG01 Chenopodietum stricti](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.7**

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

Ecological specialization index for forest vegetation: **3.5**

## Distribution and frequency

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

Floristic region: **Europe, Asia, Western Asia, Africa, Americas, circumpolar**

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: 630

taxon.data.freq\_in\_quad: 2056

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **7.4 %**

Occurrence frequency in vegetation plots with a cover above 5%: **20.7 %**

Occurrence frequency in vegetation plots with a cover above 25%: **7.9 %**

Occurrence frequency in vegetation plots with a cover above 50%: **4 %**

Mean percentage cover in vegetation plots: **8.1 %**

Maximum percentage cover in vegetation plots: **99 %**

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: **6**

Number of broad habitats in which the taxon occurs: **9**

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



