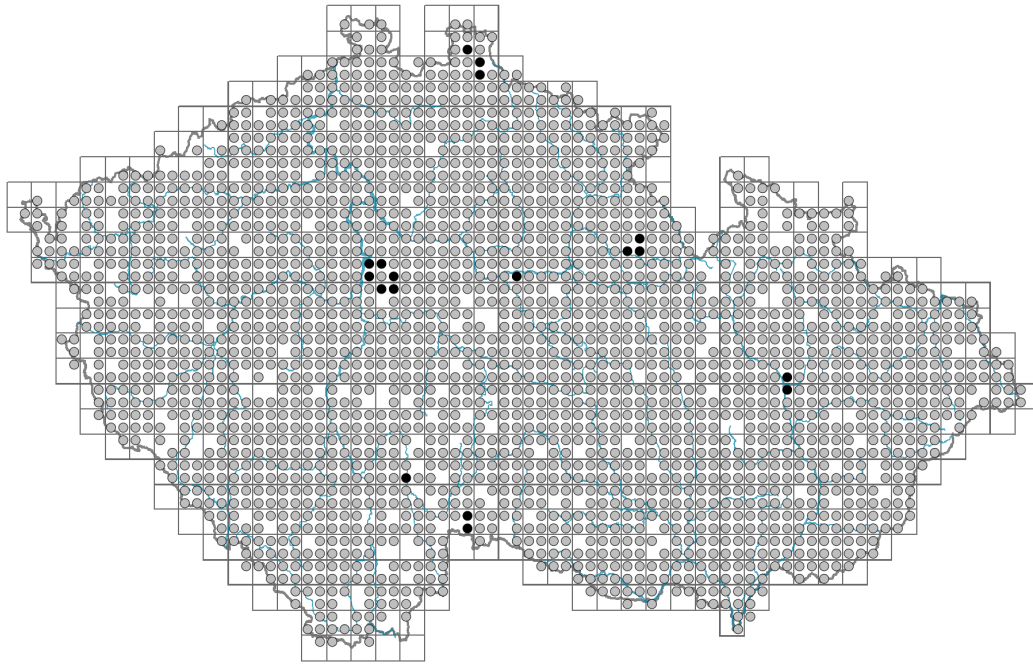


Artemisia vulgaris

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]: **0.5-3**

Growth form: **polycarpic perennial non-clonal herb**

Life form: **hemicryptophyte**

Life strategy: **C - competitor**

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

Life strategy (Pierce method, C-score): **41.6 %**

Life strategy (Pierce method, S-score): **29.6 %**

Life strategy (Pierce method, R-score): **28.8 %**



Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - pinnately divided**

Stipules: **absent**

Petiole: **both present and absent**

Leaf life span: **summer green**

Leaf anatomy: **scleromorphic, mesomorphic**

Flower

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

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

Flower colour: **green-white, red-brown**

Flower symmetry: **actinomorphic**

Perianth type: **calyx absent, corolla present**

Perianth fusion: **fused**

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

Inflorescence type: **panicula ex anthodiis composita**

Dicliny: **gynomonoecious**

Generative reproduction type: **facultative allogamy**

Pollination syndrome: **wind-pollination**



Fruit, seed and dispersal

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

Fruit colour: **brown**

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

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

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

Myrmecochory: **probably myrmecochorous**



Belowground organs and clonality

Shoot metamorphosis: **pleiocorm**

Storage organ: **pleiocorm**

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

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

Primary root: **present**

Position of root buds: **lateral roots**

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

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): **13**

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): **18**

Depth of the belowground bud bank (root buds excluded) [cm]: **4**

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): **16**

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): **36**

Depth of the belowground bud bank (root buds included) [cm]: **9**



Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

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



Karyology

Chromosome number (2n): **16**

Ploidy level (x): **2**

2C genome size [Mbp]: **5457.03**

1Cx monoploid genome size [Mbp]: **2728.52**

Genomic GC content: **38.2 %**

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: **8 - pronounced nutrient indicator**

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: **-0.39**

Herb layer disturbance frequency indicator value: **-0.33**

Whole-community disturbance severity indicator value: **0.68**

Herb layer disturbance severity indicator value: **0.69**

Whole-community structure based disturbance indicator value: **0.54**

Herb layer structure-based disturbance indicator value: **0.59**

Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **1 - rare occurrence**

1B Siliceous cliffs and block fields: **1 - rare occurrence**

1C Walls: **1 - rare occurrence**

1D Mobile calcareous screes: **1 - rare occurrence**

2 Alpine and subalpine grasslands

2B Subalpine tall-forb and tall-grass vegetation: **1 - rare occurrence**

4 Wetland and riverine herbaceous vegetation

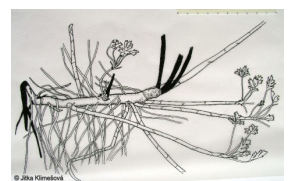
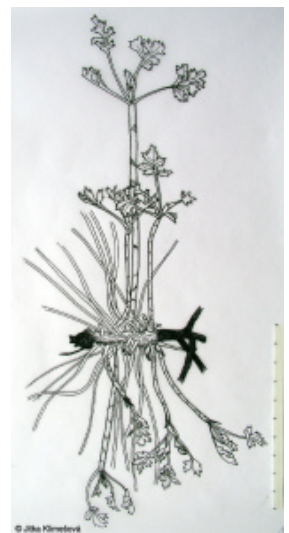
4A Reed-beds of eutrophic still waters: **1 - rare occurrence**

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

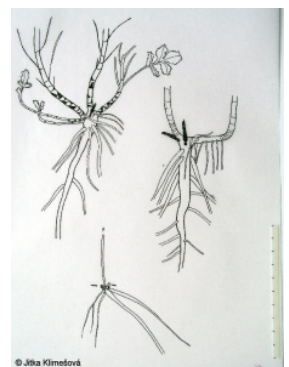
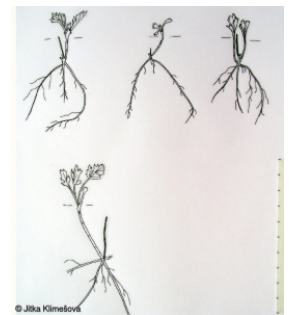
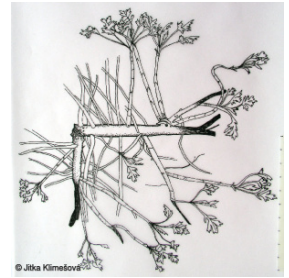
4D Riverine reed vegetation: **2 - optimum**

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

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



- 4J River gravel banks: **1 - rare occurrence**
 4K Petasites fringes of montane brooks: **1 - rare occurrence**
 4L Nitrophilous herbaceous fringes of lowland rivers: **2 - optimum**
 6 Meadows and mesic pastures
 6A Mesic Arrhenatherum meadows: **1 - rare occurrence**
 6C Pastures and park grasslands: **1 - rare occurrence**
 6D Alluvial meadows of lowland rivers: **1 - rare occurrence**
 6F Intermittently wet Molinia meadows: **1 - rare occurrence**
 6G Vegetation of wet disturbed soils: **2 - optimum**
 8 Dry grasslands
 8C Narrow-leaved sub-continental steppes: **1 - rare occurrence**
 8D Broad-leaved dry grasslands: **1 - rare occurrence**
 8E Acidophilous dry grasslands: **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**
 9D Pannonian sand steppes: **1 - rare occurrence**
 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
 10I Inland saline meadows: **1 - rare occurrence**
 11 Heathlands and scrub
 11I Willow carrs: **1 - rare occurrence**
 11J Willow galleries of loamy and sandy river banks: **2 - optimum**
 11L Tall mesic and xeric shrub: **1 - rare occurrence**
 11R Scrub and pioneer woodland of forests clearings: **2 - optimum**
 12 Forests
 12B Alluvial forests: **1 - rare occurrence**
 12T Robinia pseudacacia plantations: **1 - rare occurrence**
 12U Plantations of broad-leaved non-native trees: **1 - rare occurrence**
 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: **4 - constant dominant**
 13E Perennial nitrophilous herbaceous vegetation of mesic sites: **2 - optimum**
 13F Herbaceous vegetation of forests clearings and Rubus scrub: **1 - rare occurrence**
 Affinity to the forest environment
 Affinity to the forest environment in Thermophyticum: **2.2 - taxon occurring partly in the forest, but mainly in open vegetation**
 Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.2 - taxon occurring partly in the forest, but mainly in open vegetation**
 Diagnostic taxon
 Diagnostic taxon of classes: [XC Artemisietea vulgaris](#)
 Diagnostic taxon of alliances: [KBD Aegopodio podagrariae-Sambucion nigrae](#), [XBG Atriplicion](#), [XCA Onopordion acanthii](#), [XCB Dauco carotae-Melilotion](#), [XCE](#)



Arction lappae

Diagnostic taxon of associations: [XBG12 Ivaetum xanthiifoliae](#), [XCB01 Melilotetum albo-officinalis](#), [XCB07 Tanaceto vulgaris-Artemisietum vulgaris](#), [XCE02 Arctietum lappae](#), [XDA04 Sicyo angulatae-Echinocystietum lobatae](#)

Constant taxon

Constant taxon of classes: [XC Artemisietea vulgaris](#)

Constant taxon of alliances: [KBD Aegopodio podagrariae-Sambucion nigrae](#), [XBG Atriplicion](#), [XBH Sisymbrium officinalis](#), [XCA Onopordion acanthii](#), [XCB Dauco carotae-Melilotion](#), [XCC Convolvulo arvensis-Elytrigion repentis](#), [XCE Arction lappae](#), [XDA Senecionion fluviatilis](#)

Constant taxon of associations: [KAB03 Salici purpureae-Myricarietum germanicae](#), [KBD01 Sambucetum nigrae](#), [KBD02 Lycietum barbari](#), [XBA04 Stachyo annuae-Setarietum pumilae](#), [XBG01 Chenopodietum stricti](#), [XBG02 Chenopodietum urbici](#), [XBG03 Atriplicetum nitentis](#), [XBG04 Descurainio sophiae-Atriplicetum oblongifoliae](#), [XBG05 Cynodonto dactyli-Atriplicetum tataricae](#), [XBG06 Atriplicetum roseae](#), [XBG07 Sisymbrietum loeselii](#), [XBG08 Descurainietum sophiae](#), [XBG09 Sisymbrietum altissimi](#), [XBG10 Chamaeplietum officinalis](#), [XBG11 Conyzo canadensis-Lactucetum serriolae](#), [XBG12 Ivaetum xanthiifoliae](#), [XBG13 Kochietum densiflorae](#), [XBH01 Hordeetum murini](#), [XBK04 Cynodontetum dactyli](#), [XCA01 Carduo acanthoidis-Onopordetum acanthii](#), [XCA02 Salvia nemorosae-Marrubietum peregrini](#), [XCA03 Potentillo argenteae-Artemisietum absinthii](#), [XCB01 Melilotetum albo-officinalis](#), [XCB02 Berteroetum incanae](#), [XCB03 Dauco carotae-Crepidetum rhoeadifoliae](#), [XCB04 Dauco carotae-Picridetum hieracioidis](#), [XCB05 Poo compressae-Tussilaginetum farfarae](#), [XCB06 Poëetum humili-compressae](#), [XCB07 Tanaceto vulgaris-Artemisietum vulgaris](#), [XCB08 Artemisio vulgaris-Echinopsietum sphaerocephali](#), [XCB09 Rudbeckio laciniatae-Solidaginetum canadensis](#), [XCB10 Buniadetum orientalis](#), [XCB11 Asclepiadetum syriacae](#), [XCC01 Convolvulo arvensis-Elytrigietum repentis](#), [XCC02 Falcario vulgaris-Elytrigietum repentis](#), [XCE01 Urtico urentis-Chenopodietum boni-henrici](#), [XCE02 Arctietum lappae](#), [XCE03 Hyoscyamo nigri-Conietum maculati](#), [XCE04 Sambucetum ebuli](#), [XDA01 Cuscuta europaeae-Calystegietum sepium](#), [XDA03 Calystegio sepium-Impatientetum glanduliferae](#), [XDA04 Sicyo angulatae-Echinocystietum lobatae](#), [XDD02 Torilidetum japonicae](#), [XDE02 Symphyto officinalis-Anthriscetum sylvestris](#), [XDE03 Chaerophylletum aromatici](#), [XDE04 Chaerophylletum aurei](#), [XDE05 Chaerophylletum bulbosi](#), [XDE07 Oenothero biennis-Helianthetum tuberosi](#)

Dominant taxon

Dominant taxon of associations: [XBG12 Ivaetum xanthiifoliae](#), [XCB01 Melilotetum albo-officinalis](#), [XCB05 Poo compressae-Tussilaginetum farfarae](#), [XCB07 Tanaceto vulgaris-Artemisietum vulgaris](#), [XCB11 Asclepiadetum syriacae](#), [XCE02 Arctietum lappae](#), [XDA04 Sicyo angulatae-Echinocystietum lobatae](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **3.8**

Ecological specialization index for non-forest vegetation: **3.8**

Ecological specialization index for forest vegetation: **4**

Colonization ability

Index of colonization success (ICS): **9**

Index of colonization potential (ICP): **7**

Optimum successional age [years]: **10**

Distribution and frequency

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

Floristic region: **Europe, Asia**

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

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

Expansive taxon in the region: **Bohemian Thermophyticum, Bohemian Moravian Mesophyticum, Bohemian Moravian Oreophyticum, Pannonian Thermophyticum, Carpathian Mesophyticum, Carpathian Oreophyticum**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **657**

taxon.data.freq_in_quad: **2269**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **8.1 %**

Occurrence frequency in vegetation plots with a cover above 5%: **17.8 %**

Occurrence frequency in vegetation plots with a cover above 25%: **8.8 %**

Occurrence frequency in vegetation plots with a cover above 50%: **5.5 %**

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: **41**

Number of narrow habitats in which the taxon has its optimum: **9**

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

Number of broad habitats in which the taxon has its optimum: **4**

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**