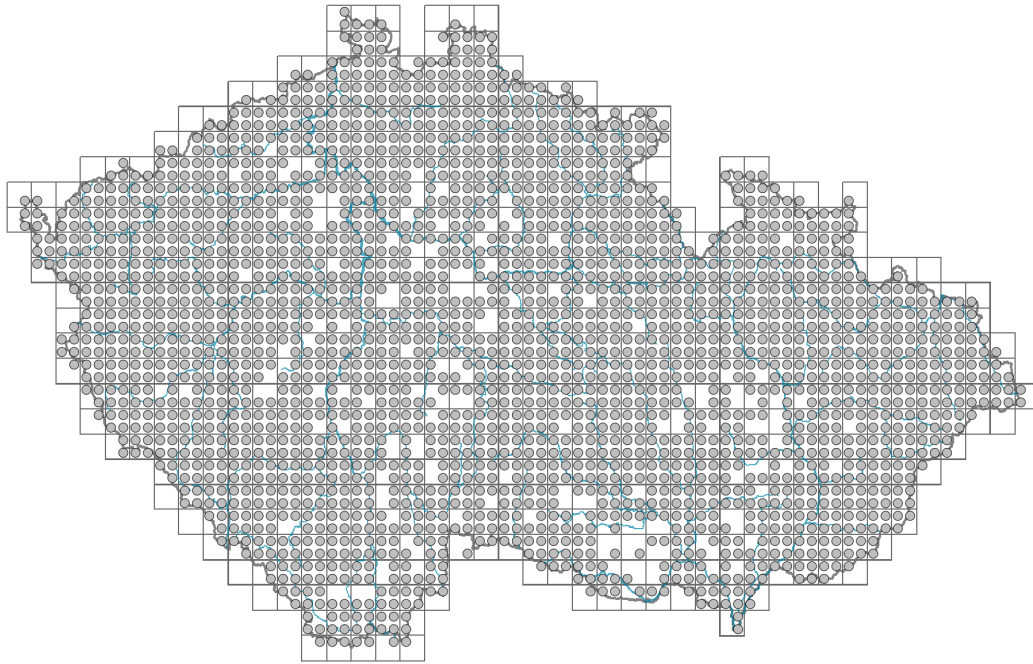


Tanacetum vulgare

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]: **0.4-1.2**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

Life strategy: **C - competitor**

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

Life strategy (Pierce method, C-score): **59.1 %**

Life strategy (Pierce method, S-score): **18.3 %**

Life strategy (Pierce method, R-score): **22.6 %**

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**

Flower

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

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

Flower colour: **yellow**

Flower symmetry: **actinomorphic**

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

Perianth fusion: **fused**

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

Calyx fusion: **pappus**

Inflorescence type: **corymbothsus ex anthodiis compositus**

Dicliny: **synoecious**

Pollination syndrome: **insect-pollination**

Pollinator spectrum: **nitidulids (bumblebees, other Hymenoptera, hoverflies, other Diptera, butterflies, beetles)**



Fruit, seed and dispersal

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

Fruit colour: **yellow, brown**

Reproduction type: **mostly by seed/spores, rarely vegetatively**

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

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

Myrmecochory: **probably non-myrmecochorous**



Belowground organs and clonality

Shoot metamorphosis: **rhizome-like pleiocorm**

Storage organ: **rhizome-like pleiocorm**

Type of clonal growth organ: **hypogeogenous rhizome**

Freely dispersible organs of clonal growth: **absent**

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

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

Primary root: **absent**

Persistence of the clonal growth organ [year]: **2.5**

Number of clonal offspring: **3.5**

Lateral spreading distance by clonal growth [m]: **0.13**

Clonal index: **5**

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): **15**

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): **20**

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): **15**

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): **20**

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



Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

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

Karyology

Chromosome number (2n): **18**

Ploidy level (x): **2**

2C genome size [Mbp]: **8598.13**

1Cx monoploid genome size [Mbp]: **4299.07**

Genomic GC content: **38.6 %**



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Taxon origin

Origin in the Czech Republic: **archaeophyte**

Invasion status: **naturalized**

Geographic origin: **Europe**

Period of introduction: **Early Middle Ages (550-1200)**

Introduction pathway: **intentional - ornamental, intentional - other**

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

Nutrient indicator value: **6 - transition between values 5 and 7**

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: **-0.37**

Herb layer disturbance frequency indicator value: **-0.3**

Whole-community disturbance severity indicator value: **0.58**

Herb layer disturbance severity indicator value: **0.6**

Whole-community structure based disturbance indicator value: **0.53**

Herb layer structure-based disturbance indicator value: **0.6**

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
4D Riverine reed vegetation: **1 - rare occurrence**
4G Tall-sedge beds: **1 - rare occurrence**
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**
5 Vegetation of springs and mires
5B Lowland to montane soft-water springs: **1 - rare occurrence**
6 Meadows and mesic pastures
6A Mesic Arrhenatherum meadows: **2 - optimum**
6B Montane mesic 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: **1 - rare occurrence**
7 Acidophilous grasslands
7B Submontane Nardus grasslands: **1 - rare occurrence**
8 Dry grasslands
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**
10 Saline vegetation
10I Inland saline meadows: **1 - rare occurrence**
11 Heathlands and scrub
11A Dry lowland to subalpine heathlands: **1 - rare occurrence**
11H Subalpine deciduous scrub: **1 - rare occurrence**
11L Tall mesic and xeric shrub: **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**
12W Pine and larch plantations: **1 - rare occurrence**
13 Anthropogenic vegetation
13A Annual vegetation of ruderal habitats: **1 - rare occurrence**
13B Annual vegetation of arable land: **1 - rare occurrence**
13C Annual vegetation of trampled habitats: **1 - rare occurrence**
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: [XC *Artemisietea vulgaris*](#)

Diagnostic taxon of alliances: [KAB *Salicion elaeagno-daphnoidis*](#), [XCB *Dauco carotae-Melilotion*](#)

Diagnostic taxon of associations: [KAB01 *Salicetum elaeagno-purpureae*](#), [KAB02 *Salicetum purpureae*](#), [KAB03 *Salici purpureae-Myricarietum germanicae*](#), [XCB07 *Tanaceto vulgaris-Artemisietum vulgaris*](#)

Constant taxon

Constant taxon of alliances: [KAB *Salicion elaeagno-daphnoidis*](#)

Constant taxon of associations: [KAB01 *Salicetum elaeagno-purpureae*](#), [KAB02 *Salicetum purpureae*](#), [KAB03 *Salici purpureae-Myricarietum germanicae*](#), [XCB01 *Melilotetum albo-officinalis*](#), [XCB07 *Tanaceto vulgaris-Artemisietum vulgaris*](#)

Dominant taxon

Dominant taxon of associations: [XCB07 *Tanaceto vulgaris-Artemisietum vulgaris*](#)

Ecological specialization indices

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

Ecological specialization index for non-forest vegetation: **3.9**

Ecological specialization index for forest vegetation: **3.6**

Colonization ability

Index of colonization success (ICS): **8**

Index of colonization potential (ICP): **8**

Optimum successional age [years]: **18**

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**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 666

taxon.data.freq_in_quad: 2309

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **2.3 %**

Occurrence frequency in vegetation plots with a cover above 5%: **15.5 %**

Occurrence frequency in vegetation plots with a cover above 25%: **9.4 %**

Occurrence frequency in vegetation plots with a cover above 50%: **5 %**

Mean percentage cover in vegetation plots: **7.9 %**

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: **39**

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

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

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

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**