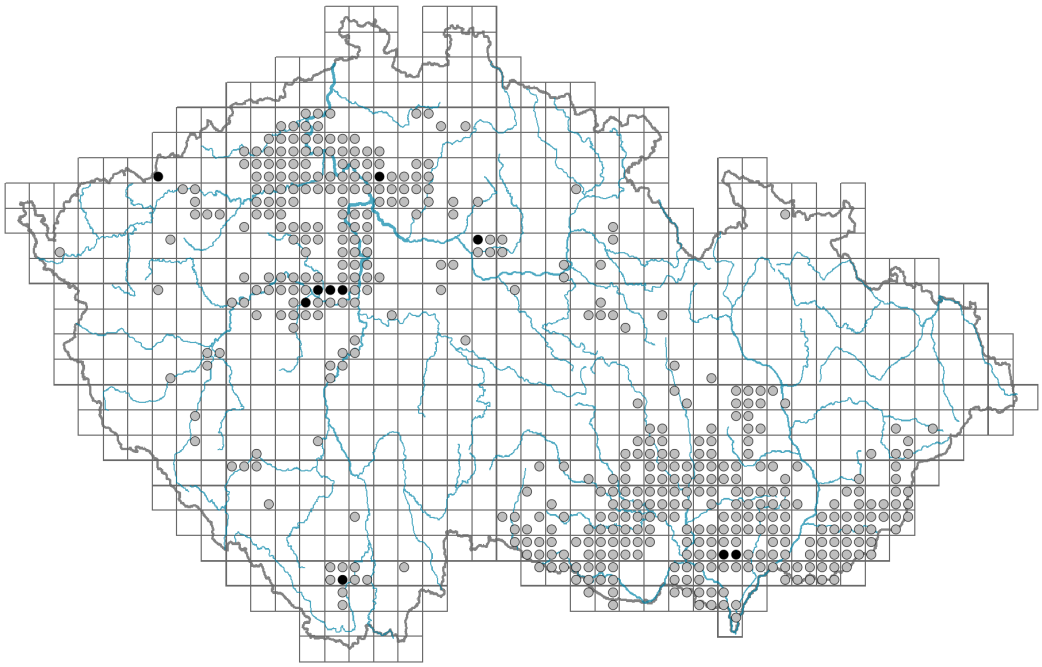
Teucrium chamaedrys

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]: **0.1–0.4**
Growth form: **dwarf shrub**
Life form: **chamaephyte**
Life strategy: **CSR – competitor/stress-tolerator/ruderal**
Life strategy (Pierce method based on leaf traits): **S/SR**
Life strategy (Pierce method, C-score): **7.8 %**
Life strategy (Pierce method, S-score): **67.2 %**
Life strategy (Pierce method, R-score): **25 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **opposite**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **present**
Leaf life span: **evergreen**
Leaf deciduousness in woody plants: **evergreen, winter deciduous**
Leaf anatomy: **scleromorphic**
Functional leaf type in woody plants: **sclerophyllous**

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Flower



Flowering period [month]: **July–August**
Flowering phase: **8 Clematis vitalba-Galium sylvaticum (mid-summer)**
Flower colour: **white, pink, red-violet**
Flower symmetry: **zygomorphic**
Perianth type: **calyx and corolla**
Perianth fusion: **fused**
Shape of the sympetalous corolla or syntepalous perianth: **bilabiate**
Calyx fusion: **synsepalous**
Inflorescence type: **pseudospica e verticillastris composita**
Dicliny: **synoecious**
Generative reproduction type: **facultative allogamy**
Pollination syndrome: **insect-pollination, selfing**



Fruit, seed and dispersal



Fruit type: **dry fruit – cluster of four one-seeded nutlets**
Fruit colour: **brown**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **myrmecochorous**

Belowground organs and clonality



Shoot metamorphosis: **stolon**
Type of clonal growth organ: **hypogeogenous rhizome**
Freely dispersible organs of clonal growth: **absent**
Shoot life span (cyclicity): **monocyclic shoots prevailing**
Branching type of stem-derived organs of clonal growth: **sympodial**
Primary root: **absent**
Persistence of the clonal growth organ [year]: **4**
Number of clonal offspring: **4.8**
Lateral spreading distance by clonal growth [m]: **0.27**
Clonal index: **6**

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 exluded) [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**

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Trophic mode

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

Karyology

Chromosome number (2n): **62 (58, 60, 64, 72, 80, 96)**
Ploidy level (x): **6**
2C genome size [Mbp]: **3059.28**
1Cx monoploid genome size [Mbp]: **509.88**
Genomic GC content: **40.4 %**

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: **7 – heat indicator, occurring in relatively warm lowlands**
Moisture indicator value: **3 – missing on damp soil**
Reaction indicator value: **8 – transition between values 7 and 9, occurring mostly in calcium-rich conditions**
Nutrient indicator value: **3 – occurring at nutrient-poor sites more frequently than at average sites and exceptionally at rich sites**
Salinity indicator value: **0 – not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.18**
Herb layer disturbance frequency indicator value: **-0.51**
Whole-community disturbance severity indicator value: **0.22**
Herb layer disturbance severity indicator value: **0.22**
Whole-community structure based disturbance indicator value: **0.4**
Herb layer structure-based disturbance indicator value: **0.48**

Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **1 – rare occurrence**
1D Mobile calcareous screes: **1 – rare occurrence**

6 Meadows and mesic pastures

6A Mesic Arrhenatherum meadows: **1 – rare occurrence**
6C Pastures and park grasslands: **1 – rare occurrence**

8 Dry grasslands

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8A Hercynian dry grasslands on rock outcrops: **2 – optimum**
8B Submediterranean dry grasslands on rock outcrops: **2 – optimum**
8C Narrow-leaved sub-continental steppes: **2 – optimum**
8D Broad-leaved dry grasslands: **2 – optimum**
8E Acidophilous dry grasslands: **1 – rare occurrence**
8F Thermophilous forest fringe vegetation: **2 – optimum**

9 Sand grasslands and rock-outcrop vegetation

9C Festuca grasslands on acidic sands: **2 – optimum**
9E Acidophilous vegetation of spring therophytes and succulents: **1 – rare occurrence**
9F Basiphilous vegetation of spring therophytes and succulents: **2 – optimum**

11 Heathlands and scrub

11A Dry lowland to subalpine heathlands: **1 – rare occurrence**
11L Tall mesic and xeric shrub: **2 – optimum**
11N Low xeric scrub: **2 – optimum**

12 Forests

12C Oak-hornbeam forests: **1 – rare occurrence**
12D Ravine forests: **1 – rare occurrence**
12F Limestone beech forests: **1 – rare occurrence**
12H Peri-Alpidic basiphilous thermophilous oak forests: **2 – optimum**
12I Sub-continental thermophilous oak forests: **2 – optimum**
12J Acidophilous thermophilous oak forests: **2 – optimum**
12O Peri-Alpidic pine forests: **2 – optimum**
12T Robinia pseudacacia plantations: **1 – rare occurrence**
12W Pine and larch plantations: **1 – rare occurrence**

13 Anthropogenic vegetation

13D Perennial thermophilous ruderal vegetation: **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 alliances: **KBA *Prunion fruticosae***, **LCA *Quercion pubescenti-petraeae***, **LCB *Aceri tatarici-Quercion***
Diagnostic taxon of associations: **KBA01 *Prunetum fruticosae***, **KBB02 *Violo hirtae-Cornetum maris***, **LCA01 *Lathyro collini-Quercetum pubescentis***, **LCA02 *Lithospermo purpurocaerulei-Quercetum pubescentis***, **TFC02 *Erysimo diffusi-Agrostietum capillaris***, **THC01 *Carici humilis-Seslerietum caeruleae***, **THD04 *Koelerio macranthae-Stipetum joannis***, **THD06 *Astragalo exscapi-Crambetum tatariae***, **THE02 *Cirsio pannonici-Seslerietum caeruleae***, **THE03 *Polygalo majoris-Brachypodietum pinnati***

Constant taxon

Constant taxon of alliances: **KBA *Prunion fruticosae***, **LCA *Quercion pubescenti-petraeae***
Constant taxon of associations: **KBA01 *Prunetum fruticosae***, **KBB02 *Violo hirtae-Cornetum maris***, **LCA01 *Lathyro collini-Quercetum pubescentis***, **LCA02 *Lithospermo purpurocaerulei-Quercetum pubescentis***, **LCB02 *Carici fritschii-Quercetum roboris***, **SCA03 *Teucrio botryos-Melicetum ciliatae***, **TFC02 *Erysimo***

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diffusi-Agrostietum capillaris*, THA03 *Sedo albi-Allietum montani*, THC01 *Carici humilis-Seslerietum caeruleae*, THD04 *Koelerio macranthae-Stipetum joannis*, THD05 *Stipetum tirsae*, THD06 *Astragalo exscapi-Crambetum tatariae*, THE02 *Cirsio pannonici-Seslerietum caeruleae*, THE03 *Polygalo majoris-Brachypodietum pinnati*, THG02 *Avenulo pratensis-Festucetum valesiacae*, THH02 *Geranio sanguinei-Dictamnetum albae

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.5**
Ecological specialization index for non-forest vegetation: **4.7**
Ecological specialization index for forest vegetation: **5**

Colonization ability

Index of colonization success (ICS): **6**
Index of colonization potential (ICP): **5**
Optimum successional age [years]: **35**

Distribution and frequency

Floristic zone: **southern temperate, submeridional, meridional**
Floristic region: **Europe, Near East**
Continentality degree: **6**
Distribution range extension along the continentality gradient: **5**
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: 203
taxon.data.freq_in_quad: 465

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **1.8 %**
Occurrence frequency in vegetation plots with a cover above 5%: **18.2 %**
Occurrence frequency in vegetation plots with a cover above 25%: **3.2 %**
Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **5 %**
Maximum percentage cover in vegetation plots: **38 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **26**
Number of narrow habitats in which the taxon has its optimum: **13**
Number of broad habitats in which the taxon occurs: **7**
Number of broad habitats in which the taxon has its optimum: **4**

Threats and protection

Red List 2017 (national categories): **C4a – near threatened taxon**
Red List 2017 (IUCN categories): **LC – least concern**
Legal protection: **not protected by law**

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