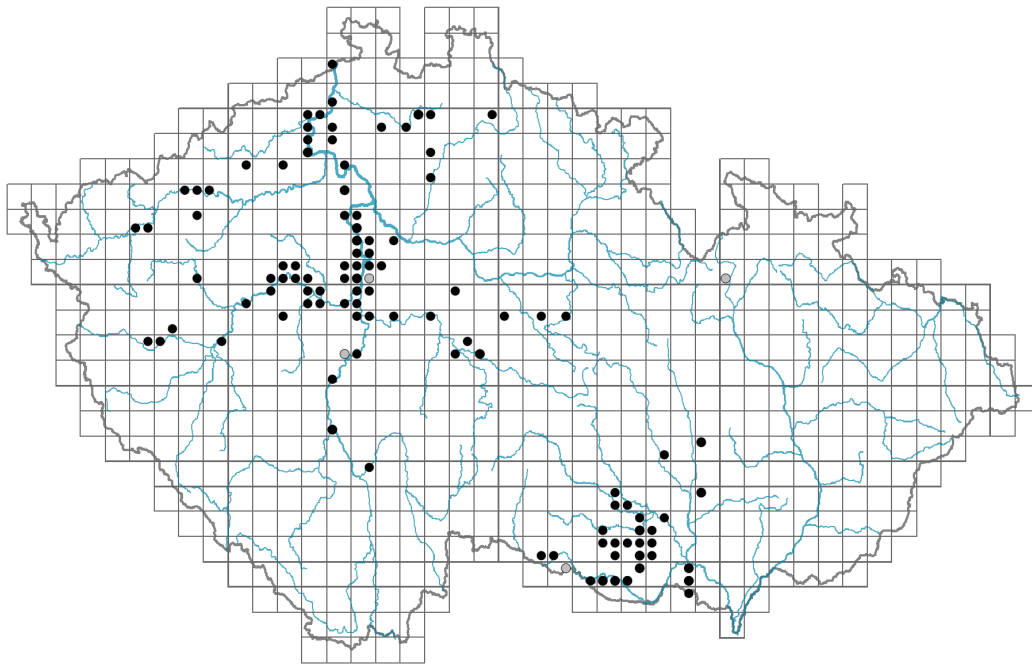


# *Festuca csikhegyensis*

## 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.

## Habitus and growth type

Height [m]: **0.15-0.6**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

## Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **absent**

## Flower

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

Flower colour: **green**

Perianth type: **reduced**

Perianth fusion: **reduced**

Inflorescence type: **panicula e spiculis composita**

## Fruit, seed and dispersal

Fruit type: **dry fruit - caryopsis**



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

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

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

## Belowground organs and clonality

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

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

Shoot life span (cyclicality): **dicyclic or polycyclic 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: **1**

Lateral spreading distance by clonal growth [m]: **0.01**

Clonal index: **3**

### 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): **28**

Ploidy level (x): **4**

2C genome size [Mbp]: **8095.23**

1Cx monoploid genome size [Mbp]: **2023.81**

Genomic GC content: **47.4 %**

## 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: **1 - strong drought indicator, viable at sites that frequently dry out and confined to dry soils**

Reaction indicator value: **6x - transition between values 5 and 7 (generalist)**

Nutrient indicator value: **1 - occurring at nutrient-poorest sites**

Salinity indicator value: **0 - not salt tolerant, glycophyte**

**Habitat and sociology**

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **2 - optimum**

1B Siliceous cliffs and block fields: **2 - optimum**

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

8 Dry grasslands

8A Hercynian dry grasslands on rock outcrops: **3 - dominant**

8B Submediterranean dry grasslands on rock outcrops: **3 - dominant**

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

8E Acidophilous dry grasslands: **2 - optimum**

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

9 Sand grasslands and rock-outcrop vegetation

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

9E Acidophilous vegetation of spring therophytes and succulents: **2 - optimum**

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: **1 - rare occurrence**

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

12 Forests

12D Ravine forests: **1 - rare occurrence**

12H Peri-Alpidic basiphilous thermophilous oak forests: **1 - rare occurrence**

12J Acidophilous thermophilous oak forests: **2 - optimum**

12K Acidophilous oak forests: **1 - rare occurrence**

12L Boreo-continental pine forests: **1 - rare occurrence**

12O Peri-Alpidic pine forests: **2 - optimum**

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

12W Pine and larch plantations: **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 alliances: [KBG \*Euphorbio cyparissiae-Robinion pseudoacaciae\*](#), [SAB \*Asplenion cuneifolii\*](#), [THA \*Alyso-Festucion pallentis\*](#), [THB \*Bromo pannonicum\*](#)

***Festucion pallentis*, THC *Diantho lumnitzeri-Seslerion***

Diagnostic taxon of associations: [KBG01 \*Melico transsilvanicae-Robinetum pseudoacaciae\*](#), [LCC02 \*Genisto pilosae-Quercetum petraeae\*](#), [LFB03 \*Hieracio pallidi-Pinetum sylvestris\*](#), [SAB02 \*Notholaeno marantae-Sempervivetum hirti\*](#), [THA01 \*Festuco pallentis-Aurinetum saxatilis\*](#), [THA02 \*Seselio ossei-Festucetum pallentis\*](#), [THA03 \*Sedo albi-Allietum montani\*](#), [THA04 \*Helichryso arenarii-Festucetum pallentis\*](#), [THB01 \*Poo badensis-Festucetum pallentis\*](#), [THC02 \*Minuartio setaceae-Seslerietum caeruleae\*](#), [THC03 \*Saxifrago paniculatae-Seslerietum caeruleae\*](#)

Constant taxon

Constant taxon of alliances: [THA \*Alysso-Festucion pallentis\*](#), [THB \*Bromo pannonici-Festucion pallentis\*](#), [THC \*Diantho lumnitzeri-Seslerion\*](#)

Constant taxon of associations: [LCC02 \*Genisto pilosae-Quercetum petraeae\*](#), [LFB03 \*Hieracio pallidi-Pinetum sylvestris\*](#), [SAB02 \*Notholaeno marantae-Sempervivetum hirti\*](#), [THA01 \*Festuco pallentis-Aurinetum saxatilis\*](#), [THA02 \*Seselio ossei-Festucetum pallentis\*](#), [THA03 \*Sedo albi-Allietum montani\*](#), [THA04 \*Helichryso arenarii-Festucetum pallentis\*](#), [THB01 \*Poo badensis-Festucetum pallentis\*](#), [THC02 \*Minuartio setaceae-Seslerietum caeruleae\*](#), [THC03 \*Saxifrago paniculatae-Seslerietum caeruleae\*](#)

Dominant taxon

Dominant taxon of associations: [SAB01 \*Asplenietum cuneifolii\*](#), [THA01 \*Festuco pallentis-Aurinetum saxatilis\*](#), [THA02 \*Seselio ossei-Festucetum pallentis\*](#), [THA04 \*Helichryso arenarii-Festucetum pallentis\*](#)

**Distribution and frequency**

Continentality degree: **4**

Distribution range extension along the continentality gradient: **2**

Elevational belt in the Czech Republic: **colline belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **76**

taxon.data.freq\_in\_quad: 111

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **22**

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

Number of broad habitats in which the taxon occurs: **5**

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**