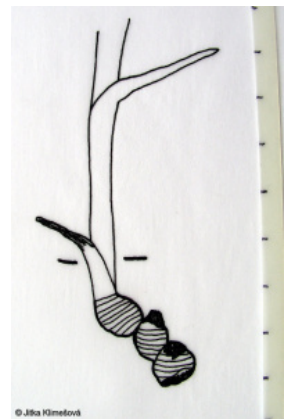
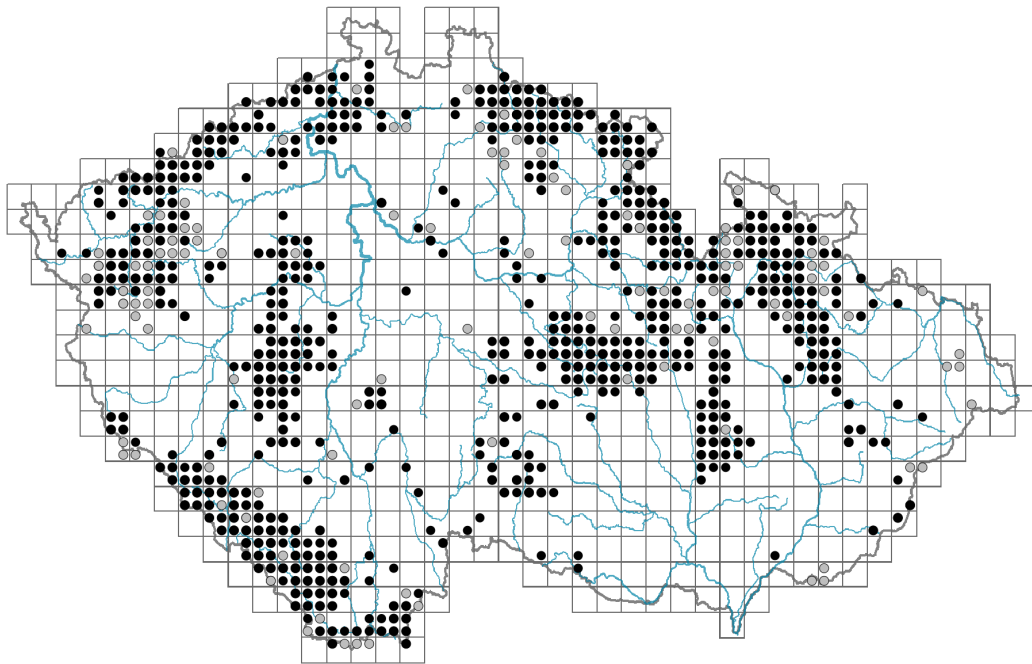


# *Crepis mollis*

## 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.



© Ester Laksova



© Radm Cizuka



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## Habitus and growth type

Height [m]: **0.3-0.9**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

Life strategy: **CSR - competitor/stress-tolerator/ruderal**

## Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **both present and absent**

Leaf life span: **summer green**

Leaf anatomy: **mesomorphic**

## Flower

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

Flowering phase: **6 Cornus sanguinea-Melica uniflora (start of early summer)**

Flower colour: **yellow**

Flower symmetry: **zygomorphic**

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

Perianth fusion: **fused**  
 Shape of the sympetalous corolla or syntepalous perianth: **ligulate**  
 Calyx fusion: **pappus**  
 Inflorescence type: **corymbothsus ex anthodiis compositus**  
 Dicliny: **synoecious**  
 Generative reproduction type: **facultative allogamy**  
 Pollination syndrome: **insect-pollination, selfing**

### Fruit, seed and dispersal

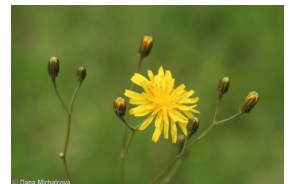
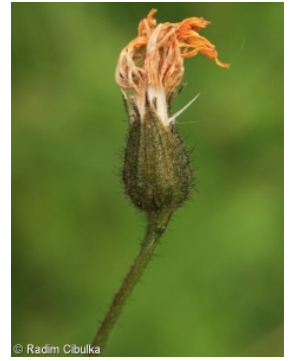
Fruit type: **dry fruit - achene/cypsela/samara**  
 Fruit colour: **yellow, brown**  
 Reproduction type: **only by seed/spores**  
 Dispersal unit (diaspore): **fruit, infrutescence or its part**  
 Dispersal strategy: **Epilobium (mainly anemochory and autochory)**  
 Myrmecochory: **non-myrmecochorous (b) nv**

### Belowground organs and clonality

Shoot metamorphosis: **rhizome**  
 Storage organ: **rhizome**  
 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): **12**

Ploidy level (x): **2**

2C genome size [Mbp]: **4349.56**

1Cx monoploid genome size [Mbp]: **2174.78**

## 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: **4 - transition between values 3 and 5**

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

Reaction indicator value: **5 - indicator of moderate acidity, occurring rarely in strongly acidic as well as in neutral to alkaline conditions**

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

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

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.3**

Herb layer disturbance frequency indicator value: **-0.24**

Whole-community disturbance severity indicator value: **0.28**

Herb layer disturbance severity indicator value: **0.31**

Whole-community structure based disturbance indicator value: **0.57**

Herb layer structure-based disturbance indicator value: **0.76**

## Habitat and sociology

Occurrence in habitats

2 Alpine and subalpine grasslands

2B Subalpine tall-forb and tall-grass vegetation: **2 - optimum**

5 Vegetation of springs and mires

5C Alpine and subalpine soft-water springs: **1 - rare occurrence**

5D Calcareous fens: **2 - optimum**

5E Acidic moss-rich fens and peatland meadows: **1 - rare occurrence**

6 Meadows and mesic pastures

6A Mesic Arrhenatherum meadows: **1 - rare occurrence**

6B Montane mesic meadows: **2 - optimum**

6D Alluvial meadows of lowland rivers: **1 - rare occurrence**

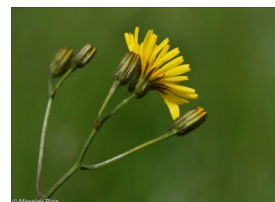
6E Wet Cirsium meadows: **2 - optimum**

6F Intermittently wet Molinia meadows: **2 - optimum**

7 Acidophilous grasslands

7A Subalpine and montane acidophilous grasslands: **2 - optimum**

7B Submontane Nardus grasslands: **1 - rare occurrence**



## 8 Dry grasslands

8D Broad-leaved dry grasslands: **1 - rare occurrence**

## 11 Heathlands and scrub

11H Subalpine deciduous scrub: **1 - rare occurrence**

## 12 Forests

12A Alder carrs: **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: [TDB \*Polygono bistortae-Trisetion flavescens\*](#), [TEB \*Nardo strictae-Agrostion tenuis\*](#)Diagnostic taxon of associations: [ADD03 \*Trollio altissimi-Geranium sylvatici\*](#), [TDB01 \*Geranium sylvatici-Trisetum flavescens\*](#), [TDB02 \*Melandrio rubri-Phleum alpinum\*](#), [TDF05 \*Polygono bistortae-Cirsium heterophyllum\*](#), [TEB01 \*Sileno vulgaris-Nardetum strictae\*](#)

Constant taxon

Constant taxon of alliances: [TDB \*Polygono bistortae-Trisetion flavescens\*](#), [TEB \*Nardo strictae-Agrostion tenuis\*](#)Constant taxon of associations: [ADD03 \*Trollio altissimi-Geranium sylvatici\*](#), [TDB01 \*Geranium sylvatici-Trisetum flavescens\*](#), [TDB02 \*Melandrio rubri-Phleum alpinum\*](#), [TDF05 \*Polygono bistortae-Cirsium heterophyllum\*](#), [TEB01 \*Sileno vulgaris-Nardetum strictae\*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **6.4**Ecological specialization index for non-forest vegetation: **6.4**

Colonization ability

Index of colonization success (ICS): **1**Index of colonization potential (ICP): **1****Distribution and frequency**Floristic zone: **northern temperate, southern temperate, submeridional**Floristic region: **Europe**Continental degree: **5**Distribution range extension along the continentality gradient: **3**Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt, montane belt, subalpine belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 323

taxon.data.freq\_in\_quad: 750

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **1.1 %**Occurrence frequency in vegetation plots with a cover above 5%: **6.3 %**Occurrence frequency in vegetation plots with a cover above 25%: **0.6 %**Occurrence frequency in vegetation plots with a cover above 50%: **0 %**

Mean percentage cover in vegetation plots: **3 %**

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: **14**

Number of narrow habitats in which the taxon has its optimum: **6**

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): **C3 - vulnerable taxon**

Red List 2017 (IUCN categories): **NT - near threatened**

Legal protection: **not protected by law**

