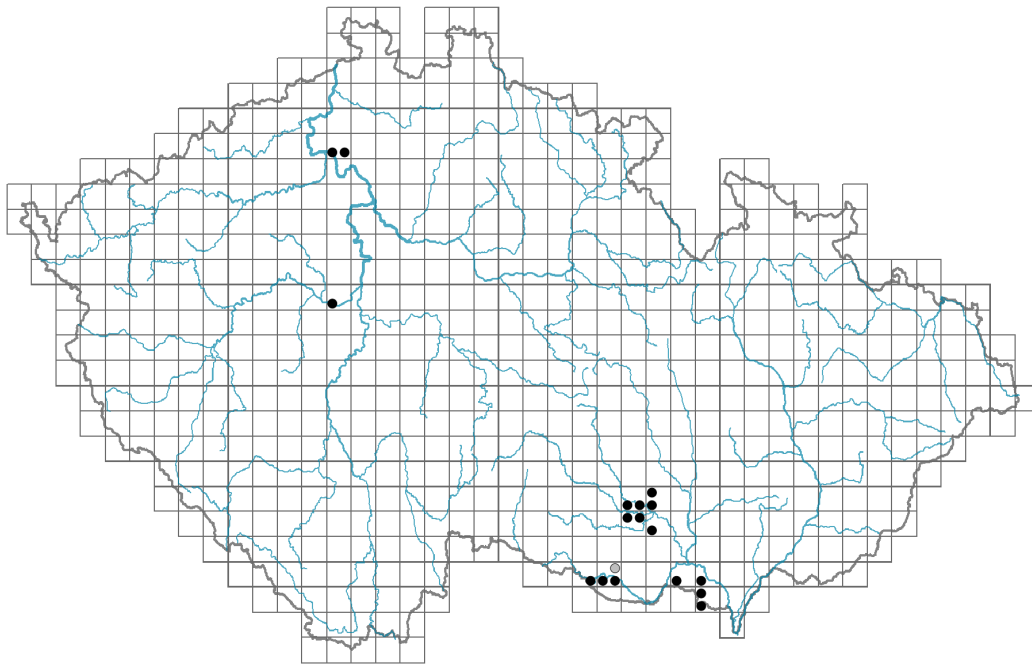


# *Mercurialis ovata*

## 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]: **0.2-0.3**

Growth form: **clonal herb**

Life form: **hemicryptophyte (geophyte)**

Life strategy: **CS - competitor/stress-tolerator**

## Leaf

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

Leaf arrangement (phyllotaxis): **opposite**

Leaf shape: **simple - entire**

Stipules: **present**

Petiole: **mainly absent**

Leaf life span: **summer green**

Leaf anatomy: **mesomorphic, hygromorphic**

## Flower

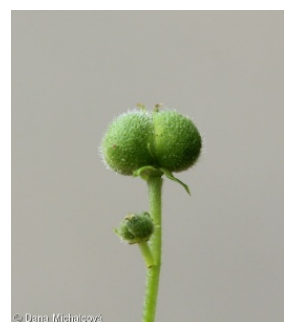
Flowering period [month]: **April-May**

Flower colour: **yellow-green**

Perianth type: **reduced**

Perianth fusion: **reduced**

Inflorescence type: **spica e floribus masculis composita, flores solitarii feminei,**

**fasciculus e floribus femineis compositus**Dicliny: **dioecious**Generative reproduction type: **allogamy**Pollination syndrome: **wind-pollination****Fruit, seed and dispersal**Fruit type: **dry fruit - capsule**Reproduction type: **by seed/spores and vegetatively**Dispersal unit (diaspore): **fruit, infrutescence or its part**Dispersal strategy: **Allium (mainly autochory)**Myrmecochory: **probably non-myrmecochorous****Belowground organs and clonality**Shoot metamorphosis: **stolon**Storage organ: **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: **6**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): **32**Ploidy level (x): **4**2C genome size [Mbp]: **2736.5**

1Cx monoploid genome size [Mbp]: **684.13**

Genomic GC content: **37 %**

## Taxon origin

Origin in the Czech Republic: **native**

## Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **5 - semi-shade plant, only exceptionally occurring in full light, but usually at more than 10% of the diffuse radiation incident in an open area**

Temperature indicator value: **7 - heat indicator, occurring in relatively warm lowlands**

Moisture indicator value: **4 - transition between values 3 and 5**

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

Nutrient indicator value: **5 - occurring at moderately nutrient-rich sites, and less frequently at poor and rich sites**

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

## Habitat and sociology

Occurrence in habitats

8 Dry grasslands

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

12 Forests

12C Oak-hornbeam forests: **1 - rare occurrence**

12H Peri-Alpidic basiphilous thermophilous oak forests: **2 - optimum**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **1.1 - taxon occurring mainly in the closed forest**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **1.1 - taxon occurring mainly in the closed forest**

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.6**

Ecological specialization index for forest vegetation: **5.4**

Colonization ability

Index of colonization success (ICS): **1**

## Distribution and frequency

Floristic zone: **southern temperate, submeridional**

Floristic region: **Europe**

Continental degree: **6**

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

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

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

mapping cells: 16

taxon.data.freq\_in\_quad: 23

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0 %**

Occurrence frequency in vegetation plots with a cover above 5%: **0 %**

Occurrence frequency in vegetation plots with a cover above 25%: **0 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0 %**

Mean percentage cover in vegetation plots: **2 %**

Maximum percentage cover in vegetation plots: **2 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **3**

Number of narrow habitats in which the taxon has its optimum: **1**

Number of broad habitats in which the taxon occurs: **2**

Number of broad habitats in which the taxon has its optimum: **1**

### **Threats and protection**

Red List 2017 (national categories): **C2r - endangered taxon, rare**

Red List 2017 (IUCN categories): **VU - vulnerable**

Legal protection: **critically threatened taxon**