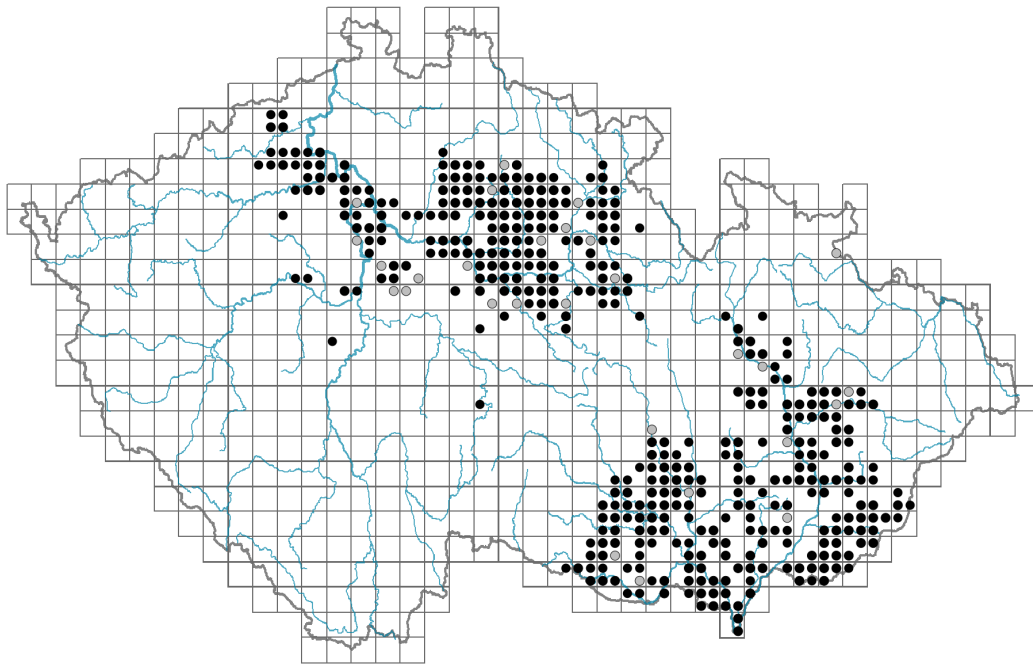


# *Loranthus europaeus*

## Distribution

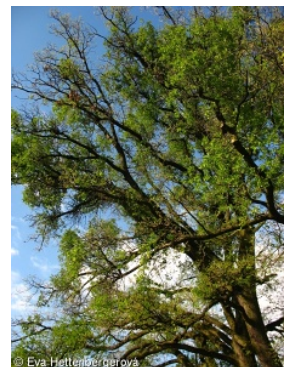
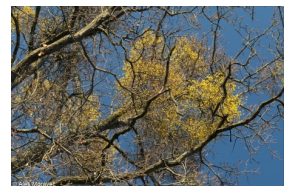


### Map info

● 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]: **0.4-1**

Growth form: **parasitic epiphyte**

Life form: **macrophanerophyte**

## Leaf

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

Leaf arrangement (phyllotaxis): **opposite**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

Leaf life span: **summer green**

Leaf deciduousness in woody plants: **winter deciduous**

Functional leaf type in woody plants: **broad deciduous or semi-deciduous**

## Flower

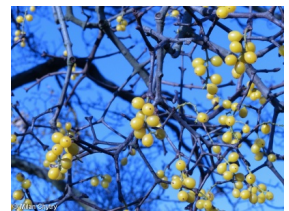
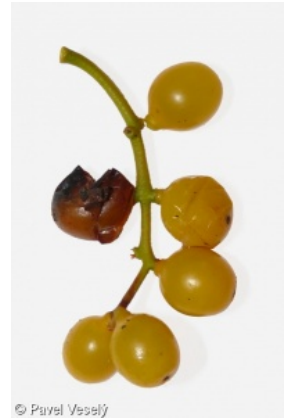
Flowering period [month]: **May-June**

Flower colour: **yellow-green, yellow**

Perianth type: **reduced**

Perianth fusion: **reduced**

Inflorescence type: **racemus e floribus masculis compositus, spica e floribus**

**masculis composita, spica e floribus femineis composita**Dichlony: **dioecious**Generative reproduction type: **alogamy**Pollination syndrome: **insect-pollination****Fruit, seed and dispersal**Fruit type: **fleshy fruit - berry**Fruit colour: **yellow**Reproduction type: **only by seed/spores**Dispersal unit (diaspore): **seed, fruit, infrutescence or its part**Dispersal strategy: **Cornus (mainly autochory and endozoochory)**Myrmecochory: **non-myrmecochorous (b)****Belowground organs and clonality**Root metamorphosis: **rootless**Position of root buds: **hypocotyl**Role of root buds in life-history of a plant: **necessary****Bud bank**Number of buds per shoot at the soil surface (root buds excluded): **0**Number of buds per shoot at a depth of 0-10 cm (root buds excluded): **0**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): **0**Number of buds per shoot at the soil surface (root buds included): **0**Number of buds per shoot at a depth of 0-10 cm (root buds included): **0**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): **0****Trophic mode**Parasitism and mycoheterotrophy: **stem hemiparasite**Carnivory: **non-carnivorous**Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts****Karyology**Chromosome number (2n): **18**Ploidy level (x): **2**2C genome size [Mbp]: **16830.4**1Cx monoploid genome size [Mbp]: **8415.2**Genomic GC content: **45.8 %****Taxon origin**Origin in the Czech Republic: **native****Ecological indicator values**

## Ellenberg-type indicator values

Light indicator value: **9 - full light plant, occurring only in fully irradiated places, not at less than 50% of diffuse radiation incident in an open area**

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

Moisture indicator value: **3 - missing on damp soil**

## Habitat and sociology

### Occurrence in habitats

#### 12 Forests

12B Alluvial forests: **2 - optimum**

12C Oak-hornbeam forests: **2 - optimum**

12D Ravine 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**

12K Acidophilous 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**

### Diagnostic taxon

Diagnostic taxon of associations: [LCC02 \*Genisto pilosae-Quercetum petraeae\*](#)

### Ecological specialization indices

Ecological specialization index for all vegetation types: **4.3**

Ecological specialization index for forest vegetation: **4.3**

### Colonization ability

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

## Distribution and frequency

Floristic zone: **southern temperate, submeridional, meridional**

Floristic region: **Europe**

Continental degree: **6**

Distribution range extension along the continentality gradient: **3**

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: **185**

taxon.data.freq\_in\_quad: **423**

### Commonness in vegetation plots from the Czech Republic

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

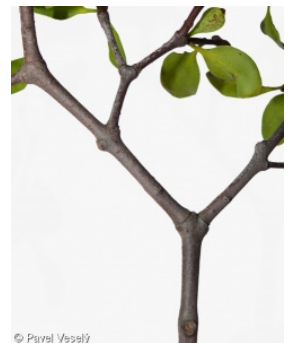
Occurrence frequency in vegetation plots with a cover above 5%: **0 %**

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: **7**

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

Number of broad habitats in which the taxon occurs: **1**

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

### **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**