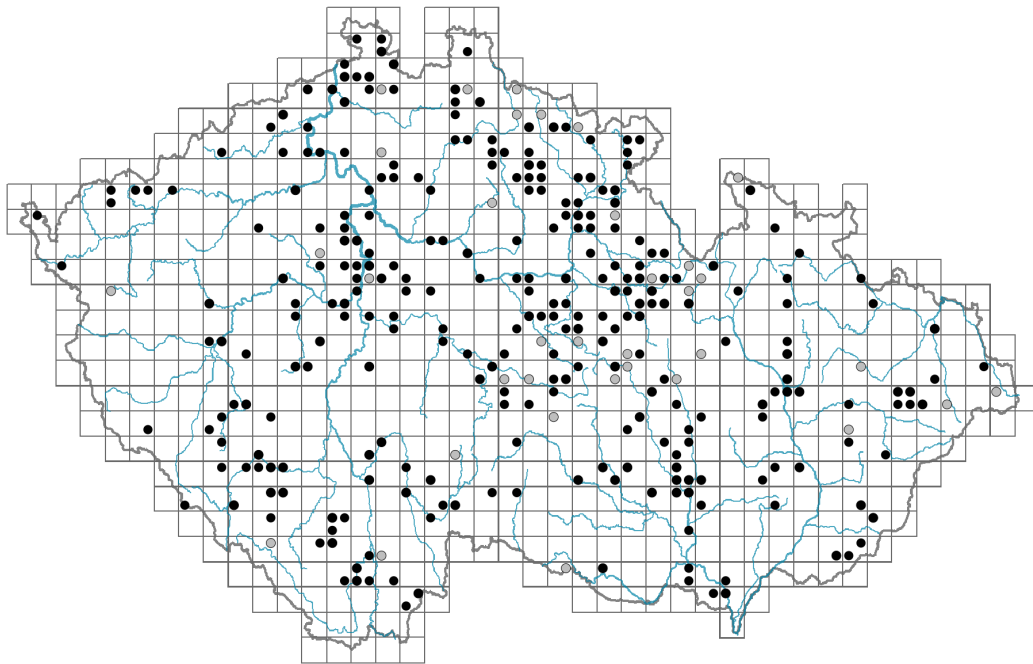


# *Pseudofumaria lutea*

## Distribution



© Pavel Veselý

### Map info

● revised records

● unrevised records

On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.



© Veronika Kanišová



© Barbora Obštová



© Barbora Obštová

## Habitus and growth type

Height [m]: **0.1-0.3**Growth form: **polycarpic perennial non-clonal herb**Life form: **hemicryptophyte**Life strategy (Pierce method based on leaf traits): **CR**Life strategy (Pierce method, C-score): **40.6 %**Life strategy (Pierce method, S-score): **3.4 %**Life strategy (Pierce method, R-score): **56 %**

## Leaf

Leaf presence and metamorphosis: **leaves present, not modified**Leaf arrangement (phyllotaxis): **alternate**Leaf shape: **compound - bipinnate, compound - tripinnate**Stipules: **absent**Petiole: **present**

## Flower

Flowering period [month]: **May-September**Flower colour: **yellow**Flower symmetry: **zygomorphic**Perianth type: **calyx and corolla**

Perianth fusion: **free**  
 Calyx fusion: **aposepalous**  
 Inflorescence type: **racemus**  
 Generative reproduction type: **facultative allogamy**

### Fruit, seed and dispersal

Fruit type: **dry fruit - capsule**  
 Fruit colour: **brown**  
 Dispersal unit (diaspore): **seed**  
 Dispersal strategy: **Allium (mainly autochory)**  
 Myrmecochory: **myrmecochorous**

### Belowground organs and clonality

Shoot life span (cyclicality): **monocyclic shoots prevailing**  
 Branching type of stem-derived organs of clonal growth: **sympodial**  
 Primary root: **present**

#### 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 (56)**  
 Ploidy level (x): **4 (8)**  
 2C genome size [Mbp]: **1200.21**  
 1Cx monoploid genome size [Mbp]: **300.05**  
 Genomic GC content: **39.2 %**

### Taxon origin

Origin in the Czech Republic: **neophyte**  
 Invasion status: **naturalized**  
 Geographic origin: **Mediterranean**



Period of introduction: **Late Modern Period (1800-1950)**

Introduction pathway: **intentional - ornamental**

## Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **6 - transition between values 5 and 7; rarely at less than 20% of diffuse radiation incident in an open area**

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

Moisture indicator value: **5 - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out**

Reaction indicator value: **8 - transition between values 7 and 9, occurring mostly in calcium-rich 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: **-0.95**

Herb layer disturbance frequency indicator value: **-0.95**

Whole-community disturbance severity indicator value: **0.31**

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

Whole-community structure based disturbance indicator value: **0.84**

Herb layer structure-based disturbance indicator value: **0.63**



## Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1C Walls: **4 - constant dominant**

13 Anthropogenic vegetation

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **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 classes: [SB Cymbalaris muralis-Parietarietea judaicae](#)

Diagnostic taxon of alliances: [SBA Cymbalaris muralis-Asplenion](#)

Diagnostic taxon of associations: [SBA02 Corydalidetum luteae](#)

Constant taxon

Constant taxon of associations: [SBA02 Corydalidetum luteae](#)

Dominant taxon

Dominant taxon of associations: [SBA02 Corydalidetum luteae](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.8**

Ecological specialization index for non-forest vegetation: **4.8**

## Distribution and frequency

Continentality degree: **5**

Distribution range extension along the continentality gradient: **1**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 234

taxon.data.freq\_in\_quad: 318

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.1 %**

Occurrence frequency in vegetation plots with a cover above 5%: **80 %**

Occurrence frequency in vegetation plots with a cover above 25%: **28 %**

Occurrence frequency in vegetation plots with a cover above 50%: **4 %**

Mean percentage cover in vegetation plots: **18.3 %**

Maximum percentage cover in vegetation plots: **63 %**

Number of habitats with taxon occurrence in the Czech Republic

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

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): **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**