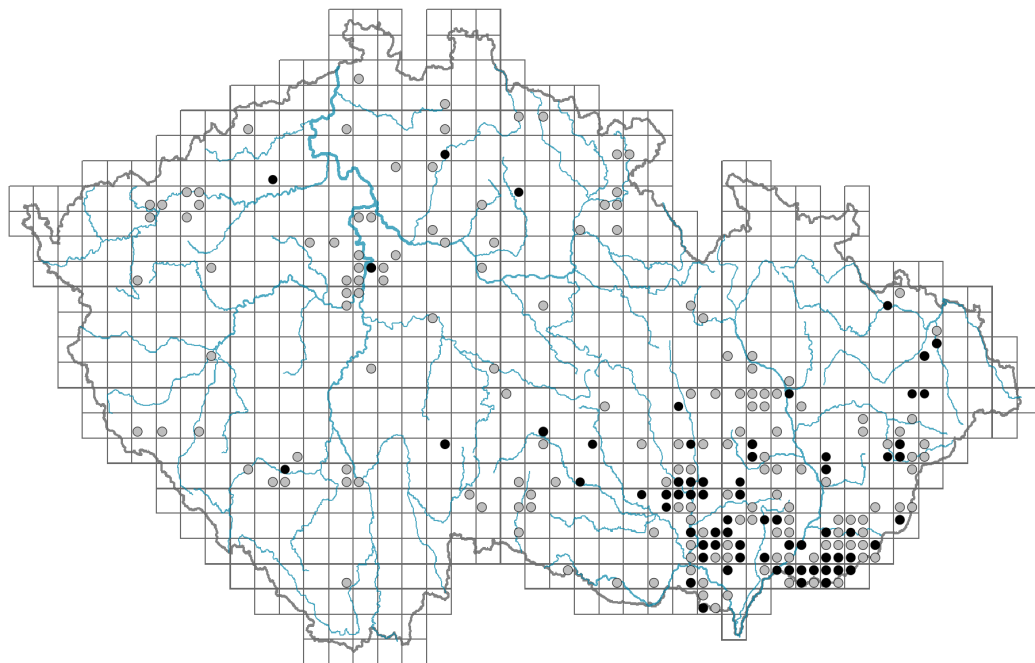


Lathyrus latifolius

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]: **0.5-2.2**

Growth form: **polycarpic perennial non-clonal herb**

Life form: **hemicryptophyte**

Life strategy: **C - competitor**

Life strategy (Pierce method based on leaf traits): **C/CSR**

Life strategy (Pierce method, C-score): **58.8 %**

Life strategy (Pierce method, S-score): **19.7 %**

Life strategy (Pierce method, R-score): **21.5 %**

Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **compound - paripinnate**

Stipules: **present**

Petiole: **present**

Leaf life span: **summer green**

Leaf anatomy: **mesomorphic**

Flower

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



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Flower colour: **pink**
 Flower symmetry: **zygomorphic**
 Perianth type: **calyx and corolla**
 Perianth fusion: **free**
 Calyx fusion: **synsepalous**
 Inflorescence type: **racemus**
 Dicliny: **synoecious**
 Generative reproduction type: **facultative allogamy**
 Pollination syndrome: **insect-pollination**

Fruit, seed and dispersal

Fruit type: **dry fruit - legume**
 Fruit colour: **brown**
 Reproduction type: **by seed/spores and vegetatively**
 Dispersal unit (diaspore): **seed**
 Dispersal strategy: **Allium (mainly autochory)**
 Myrmecochory: **non-myrmecochorous (b)**

Belowground organs and clonality

Shoot metamorphosis: **rhizome-like pleiocorm**
 Storage organ: **rhizome-like pleiocorm**
 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): **8**
 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): **13**
 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): **8**
 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): **13**
 Depth of the belowground bud bank (root buds included) [cm]: **4**

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**
 Carnivory: **non-carnivorous**
 Symbiotic nitrogen fixation: **symbiosis with rhizobia**

Karyology

Chromosome number (2n): **14**
 Ploidy level (x): **2**
 2C genome size [Mbp]: **15052.78**



1Cx monoploid genome size [Mbp]: **7526.39**

Genomic GC content: **40.7 %**

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

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

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

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.71**

Herb layer disturbance frequency indicator value: **-0.07**

Whole-community disturbance severity indicator value: **0.19**

Herb layer disturbance severity indicator value: **0.23**

Whole-community structure based disturbance indicator value: **0.44**

Herb layer structure-based disturbance indicator value: **0.6**

Habitat and sociology

Occurrence in habitats

6 Meadows and mesic pastures

6F Intermittently wet Molinia meadows: **1 - rare occurrence**

8 Dry grasslands

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

8D Broad-leaved dry grasslands: **2 - optimum**

8F Thermophilous forest fringe vegetation: **2 - optimum**

11 Heathlands and scrub

11L Tall mesic and xeric shrub: **2 - optimum**

12 Forests

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

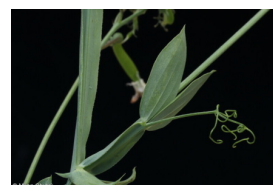
12I Sub-continental thermophilous oak forests: **1 - rare occurrence**

12J Acidophilous thermophilous oak forests: **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 taxonDiagnostic taxon of alliances: **[THF *Bromion erecti*](#)**Diagnostic taxon of associations: **[THF02 *Brachypodio pinnati-Molinietum arundinaceae*](#)****Constant taxon**Constant taxon of associations: **[THF02 *Brachypodio pinnati-Molinietum arundinaceae*](#)****Ecological specialization indices**Ecological specialization index for all vegetation types: **6.7**Ecological specialization index for non-forest vegetation: **6.7****Colonization ability**Index of colonization success (ICS): **1**Index of colonization potential (ICP): **1****Distribution and frequency**Floristic zone: **submeridional, meridional**Floristic region: **Europe**Continental degree: **4**Distribution range extension along the continentality gradient: **4**Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt**Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **149**taxon.data.freq_in_quad: **229****Commonness in vegetation plots from the Czech Republic**Occurrence frequency in vegetation plots: **0.2 %**Occurrence frequency in vegetation plots with a cover above 5%: **4.2 %**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: **2.3 %**Maximum percentage cover in vegetation plots: **8 %****Number of habitats with taxon occurrence in the Czech Republic**Number of narrow habitats in which the taxon occurs: **8**Number of narrow habitats in which the taxon has its optimum: **3**Number of broad habitats in which the taxon occurs: **4**Number of broad habitats in which the taxon has its optimum: **2****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**