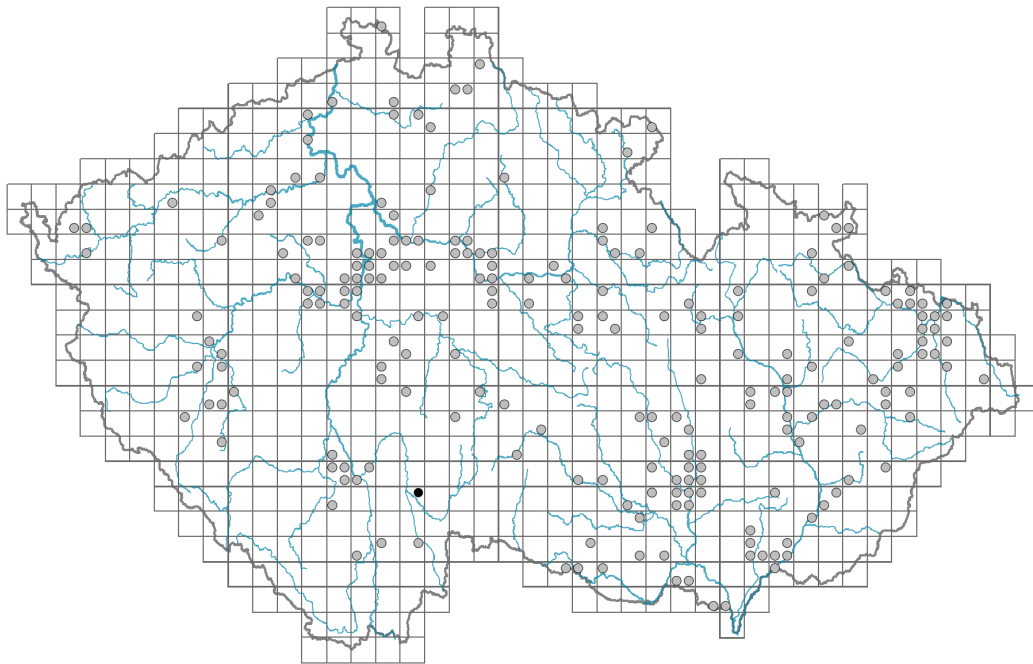


# *Parthenocissus quinquefolia*

## Distribution

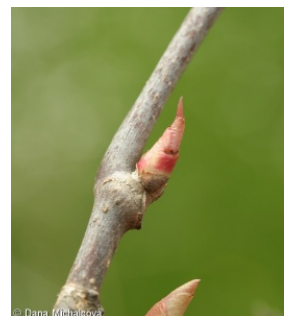


### Map info

● 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]: **5-30**

Growth form: **woody liana**

Life form: **macrophanerophyte**

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

Life strategy (Pierce method, C-score): **66.2 %**

Life strategy (Pierce method, S-score): **13.1 %**

Life strategy (Pierce method, R-score): **20.7 %**

## Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **compound - palmate (5-foliate)**

Stipules: **absent**

Petiole: **present**

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

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

## Flower

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

Flower colour: **yellow-green**

Perianth type: **reduced**  
Perianth fusion: **reduced**  
Calyx fusion: **synsepalous**  
Inflorescence type: **panicula**  
Generative reproduction type: **mixed mating**

### Fruit, seed and dispersal

Fruit type: **fleshy fruit - berry**  
Fruit colour: **blue, black**  
Dispersal unit (diaspore): **seed, fruit, infrutescence or its part**  
Dispersal strategy: **Cornus (mainly autochory and endozoochory)**  
Myrmecochory: **non-myrmecochorous (b)**

### Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**  
Carnivory: **non-carnivorous**  
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

### Karyology

Chromosome number (2n): **40**  
Ploidy level (x): **2**  
2C genome size [Mbp]: **1277.38**  
1Cx monoploid genome size [Mbp]: **638.69**  
Genomic GC content: **38.1 %**

### Taxon origin

Origin in the Czech Republic: **neophyte**  
Invasion status: **naturalized**  
Geographic origin: **North America**  
Period of introduction: **Recent Past (1950-2000)**  
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: **7 - indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**  
Nutrient indicator value: **7 - occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**  
Salinity indicator value: **0 - not salt tolerant, glycophyte**

## Habitat and sociology

### Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

4L Nitrophilous herbaceous fringes of lowland rivers: **2 - optimum**

11 Heathlands and scrub

11R Scrub and pioneer woodland of forests clearings: **2 - optimum**

12 Forests

12T Robinia pseudacacia plantations: **1 - rare occurrence**

12U Plantations of broad-leaved non-native trees: **1 - rare occurrence**

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**

### Ecological specialization indices

Ecological specialization index for all vegetation types: **3.6**

Ecological specialization index for non-forest vegetation: **4**

### Colonization ability

Index of colonization success (ICS): **2**

Index of colonization potential (ICP): **7**

Optimum successional age [years]: **42**

## Distribution and frequency

Distribution range extension along the continentality gradient: **5**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **157**

taxon.data.freq\_in\_quad: **215**

### Commonness in vegetation plots from the Czech Republic

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

Occurrence frequency in vegetation plots with a cover above 5%: **33.3 %**

Occurrence frequency in vegetation plots with a cover above 25%: **6.7 %**

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

Mean percentage cover in vegetation plots: **7.2 %**

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: **5**

Number of narrow habitats in which the taxon has its optimum: **2**

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): **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**