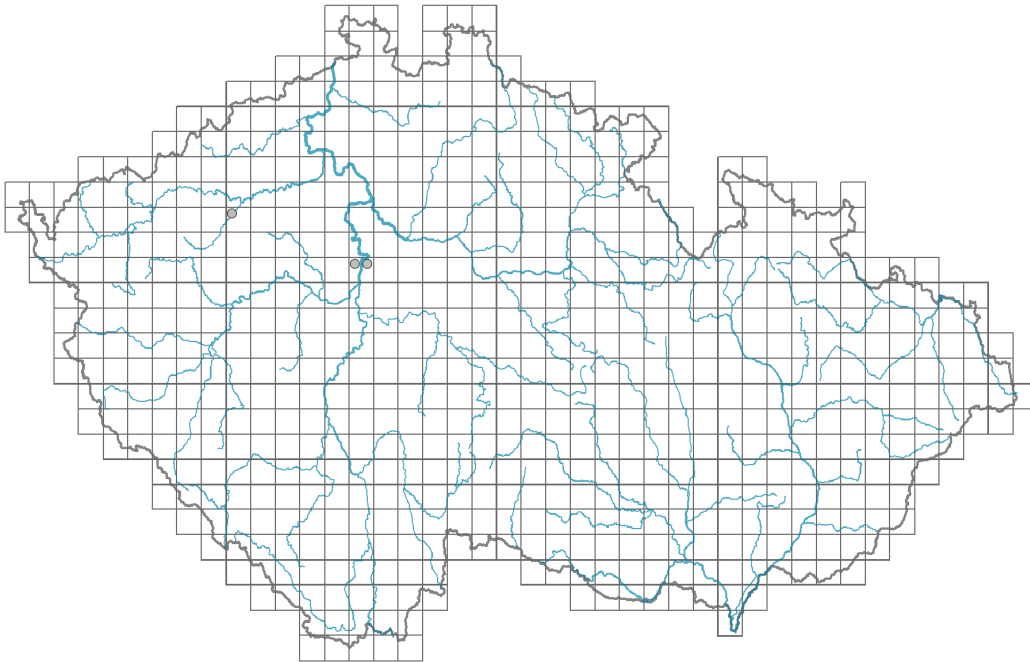


# *Polycarpon tetraphyllum*

## 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]: **0.05-0.15**

Growth form: **annual herb**

Life form: **therophyte**

Life strategy: **R - ruderal**

## Leaf

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

Leaf arrangement (phyllotaxis): **opposite, verticillate**

Leaf shape: **simple - entire**

Stipules: **present**

Petiole: **present**

Leaf life span: **summer green**

Leaf anatomy: **scleromorphic, mesomorphic**

## Flower

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

Flower colour: **green**

Flower symmetry: **actinomorphic**

Perianth type: **calyx and corolla**

Perianth fusion: **free**

Calyx fusion: **aposepalous**  
Inflorescence type: **dichasium**  
Dicliny: **synoecious**  
Generative reproduction type: **autogamy**  
Pollination syndrome: **selfing**

### **Fruit, seed and dispersal**

Fruit type: **dry fruit - capsule**  
Reproduction type: **only by seed/spores**  
Myrmecochory: **probably non-myrmecochorous**

### **Belowground organs and clonality**

Shoot life span (cyclicality): **monocyclic shoots prevailing**  
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): **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): **5**  
Depth of the belowground bud bank (root buds excluded) [cm]: **1**  
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): **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): **5**  
Depth of the belowground bud bank (root buds included) [cm]: **1**

### **Trophic mode**

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

### **Taxon origin**

Origin in the Czech Republic: **neophyte**  
Invasion status: **casual**  
Geographic origin: **Europe, Mediterranean**  
Year of the first record in the wild: **1863**  
Period of introduction: **Late Modern Period (1800–1950)**  
Introduction pathway: **unintentional - anthropogenic**

### **Ecological indicator values**

#### **Ellenberg-type indicator values**

Light indicator value: **8 - light plant, only exceptionally occurring at less than 40% of diffuse radiation incident in an open area**  
Temperature indicator value: **8 - transition between values 7 and 9**

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

Reaction indicator value: **5 - indicator of moderate acidity, occurring rarely in strongly acidic as well as in neutral to alkaline conditions**

Nutrient indicator value: **7x - occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites (generalist)**

Salinity indicator value: **1 - salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**

### **Habitat and sociology**

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**

### **Distribution and frequency**

Floristic zone: **submeridional, meridional**

Floristic region: **Europe, Americas**

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **2**

taxon.data.freq\_in\_quad: 3

### **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**