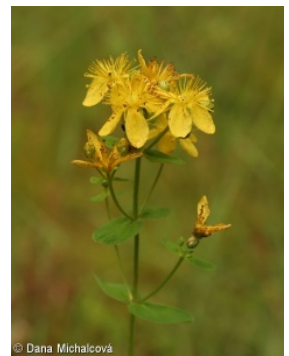
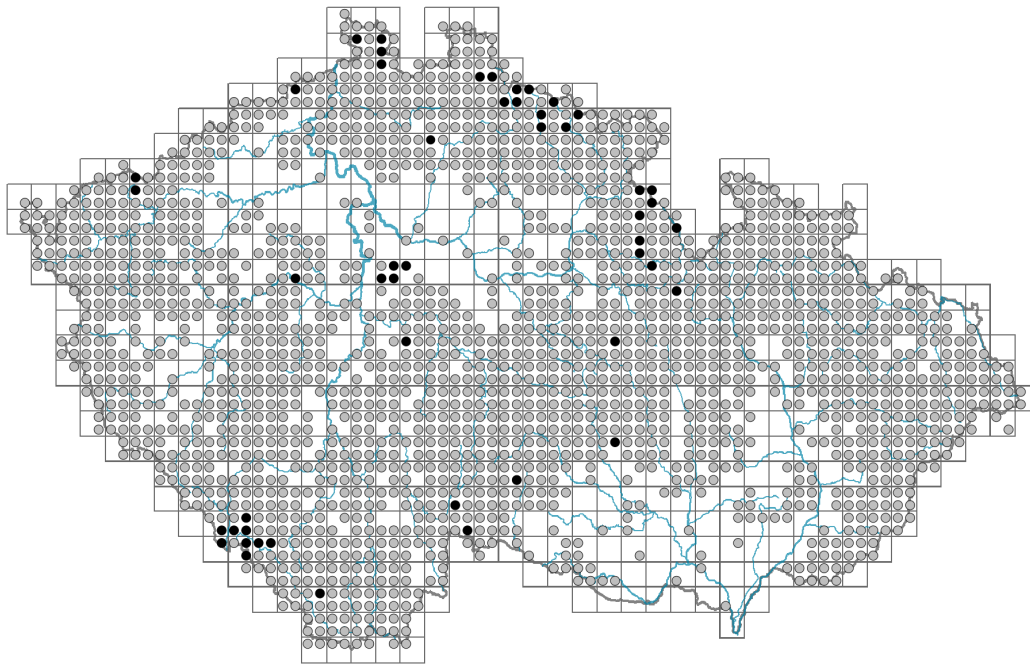


# *Hypericum maculatum*

## Distribution



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### Map info

● revised records

○ unrevised records

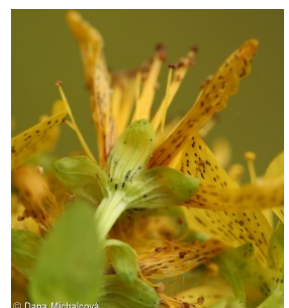
On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.



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## Habitus and growth type

Height [m]: **0.2-0.6**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

Life strategy: **CSR - competitor/stress-tolerator/ruderal**

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

Life strategy (Pierce method, C-score): **20.6 %**

Life strategy (Pierce method, S-score): **40.7 %**

Life strategy (Pierce method, R-score): **38.8 %**

## Leaf

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

Leaf arrangement (phyllotaxis): **opposite**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **absent**

Leaf life span: **summer green**

Leaf anatomy: **mesomorphic**

## Flower

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

Flowering phase: **8 Clematis vitalba-Galium sylvaticum (mid-summer)**

Flower colour: **yellow**

Flower symmetry: **actinomorphic**

Perianth type: **calyx and corolla**

Perianth fusion: **free**

Calyx fusion: **aposepalous**

Inflorescence type: **panicula e bostrychibus composita**

Dicliny: **synoecious**

Generative reproduction type: **mixed mating**

Pollination syndrome: **insect-pollination, selfing**

Pollinator spectrum: **honeybee, bumblebees, hoverflies (solitary bees, other Hymenoptera, flies s. l., meat flies s. l., other Diptera, butterflies, beetles, nitidulids, thrips, other pollinators, unknown)**

## Fruit, seed and dispersal

Fruit type: **dry fruit - capsule**

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: **stolon**

Storage organ: **stolon**

## Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## Karyology

Chromosome number (2n): **16 (32)**

Ploidy level (x): **2 (4)**

2C genome size [Mbp]: **680.37**

1Cx monoploid genome size [Mbp]: **340.18**

Genomic GC content: **40.7 %**

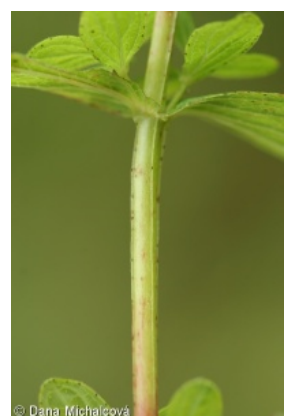
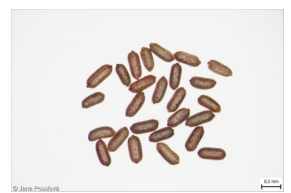
## Taxon origin

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: **4 - transition between values 3 and 5**

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

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

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

Salinity indicator value: **0 - not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.68**

Herb layer disturbance frequency indicator value: **-0.33**

Whole-community disturbance severity indicator value: **0.32**

Herb layer disturbance severity indicator value: **0.34**

Whole-community structure based disturbance indicator value: **0.49**

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

**Habitat and sociology**

Occurrence in habitats

2 Alpine and subalpine grasslands

2A Alpine grasslands on siliceous bedrock: **1 - rare occurrence**

2B Subalpine tall-forb and tall-grass vegetation: **2 - optimum**

4 Wetland and riverine herbaceous vegetation

4D Riverine reed vegetation: **1 - rare occurrence**

4K Petasites fringes of montane brooks: **1 - rare occurrence**

5 Vegetation of springs and mires

5B Lowland to montane soft-water springs: **1 - rare occurrence**

5C Alpine and subalpine soft-water springs: **1 - rare occurrence**

5D Calcareous fens: **1 - rare occurrence**

5E Acidic moss-rich fens and peatland meadows: **1 - rare occurrence**

5F Transitional mires: **1 - rare occurrence**

6 Meadows and mesic pastures

6A Mesic Arrhenatherum meadows: **2 - optimum**

6B Montane mesic meadows: **2 - optimum**

6C Pastures and park grasslands: **1 - rare occurrence**

6D Alluvial meadows of lowland rivers: **1 - rare occurrence**

6E Wet Cirsium meadows: **2 - optimum**

6F Intermittently wet Molinia meadows: **2 - optimum**

6G Vegetation of wet disturbed soils: **1 - rare occurrence**

7 Acidophilous grasslands

7A Subalpine and montane acidophilous grasslands: **2 - optimum**

7B Submontane Nardus grasslands: **2 - optimum**

8 Dry grasslands

8D Broad-leaved dry grasslands: **1 - rare occurrence**

8E Acidophilous dry grasslands: **1 - rare occurrence**

8F Thermophilous forest fringe vegetation: **1 - rare occurrence**

11 Heathlands and scrub

11A Dry lowland to subalpine heathlands: **1 - rare occurrence**

11D Subalpine acidophilous Pinus mugo scrub: **1 - rare occurrence**

- 11H Subalpine deciduous scrub: **2 - optimum**  
 11J Willow galleries of loamy and sandy river banks: **1 - rare occurrence**  
 11L Tall mesic and xeric shrub: **2 - optimum**  
 11R Scrub and pioneer woodland of forests clearings: **1 - rare occurrence**

## 12 Forests

- 12B Alluvial forests: **1 - rare occurrence**  
 12D Ravine forests: **1 - rare occurrence**  
 12E Herb-rich beech forests: **1 - rare occurrence**  
 12G Acidophilous beech forests: **1 - rare occurrence**  
 12K Acidophilous oak forests: **1 - rare occurrence**  
 12V Spruce plantations: **1 - rare occurrence**

## 13 Anthropogenic vegetation

- 13B Annual vegetation of arable land: **1 - rare occurrence**  
 13E Perennial nitrophilous herbaceous vegetation of mesic sites: **1 - rare occurrence**  
 13F Herbaceous vegetation of forests clearings and Rubus scrub: **1 - rare occurrence**

## Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.2 - taxon occurring partly in the forest, but mainly in open vegetation**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.2 - taxon occurring partly in the forest, but mainly in open vegetation**

## Diagnostic taxon

Diagnostic taxon of alliances: [TDB \*Polygono bistortae-Trisetion flavescens\*](#), [TEB \*Nardo strictae-Agrostion tenuis\*](#)

Diagnostic taxon of associations: [ADD03 \*Trollio altissimi-Geranium sylvaticum\*](#), [ADD04 \*Laserpitio archangelicae-Dactylidetum glomeratae\*](#), [TDB01 \*Geranium sylvaticum-Trisetetum flavescens\*](#), [TDB02 \*Melandrio rubri-Phlegetum alpini\*](#), [TDB03 \*Meo athamantici-Festucetum rubrae\*](#), [TDF05 \*Polygono bistortae-Cirsietum heterophyllum\*](#), [TEB01 \*Sileno vulgaris-Nardetum strictae\*](#)

## Constant taxon

Constant taxon of alliances: [TDB \*Polygono bistortae-Trisetion flavescens\*](#), [TEB \*Nardo strictae-Agrostion tenuis\*](#)

Constant taxon of associations: [ADA03 \*Violo sudeticae-Deschampsietum cespitosae\*](#), [ADD01 \*Ranunculo platanifolii-Adenostyletum alliarum\*](#), [ADD03 \*Trollio altissimi-Geranium sylvaticum\*](#), [ADD04 \*Laserpitio archangelicae-Dactylidetum glomeratae\*](#), [TDB01 \*Geranium sylvaticum-Trisetetum flavescens\*](#), [TDB02 \*Melandrio rubri-Phlegetum alpini\*](#), [TDB03 \*Meo athamantici-Festucetum rubrae\*](#), [TDF05 \*Polygono bistortae-Cirsietum heterophyllum\*](#), [TEA02 \*Thesio alpini-Nardetum strictae\*](#), [TEB01 \*Sileno vulgaris-Nardetum strictae\*](#), [TEC02 \*Campanulo rotundifoliae-Dianthetum deltoideum\*](#)

## Ecological specialization indices

- Ecological specialization index for all vegetation types: **5.2**  
 Ecological specialization index for non-forest vegetation: **5.3**  
 Ecological specialization index for forest vegetation: **4.8**

## Colonization ability

- Index of colonization success (ICS): **6**  
 Index of colonization potential (ICP): **3**  
 Optimum successional age [years]: **7**

## Distribution and frequency

Floristic zone: **boreal, northern temperate, southern temperate, submeridional**

Floristic region: **Europe, Western Asia**

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

Elevational belt in the Czech Republic: **colline belt, submontane belt, montane belt, subalpine belt**

Expansive taxon in the region: **Bohemian Moravian Mesophyticum, Bohemian Moravian Oreophyticum, Carpathian Mesophyticum, Carpathian Oreophyticum**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **609**

taxon.data.freq\_in\_quad: **1912**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **3.5 %**

Occurrence frequency in vegetation plots with a cover above 5%: **15.2 %**

Occurrence frequency in vegetation plots with a cover above 25%: **1.7 %**

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

Mean percentage cover in vegetation plots: **4.2 %**

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: **36**

Number of narrow habitats in which the taxon has its optimum: **9**

Number of broad habitats in which the taxon occurs: **9**

Number of broad habitats in which the taxon has its optimum: **4**

## 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**