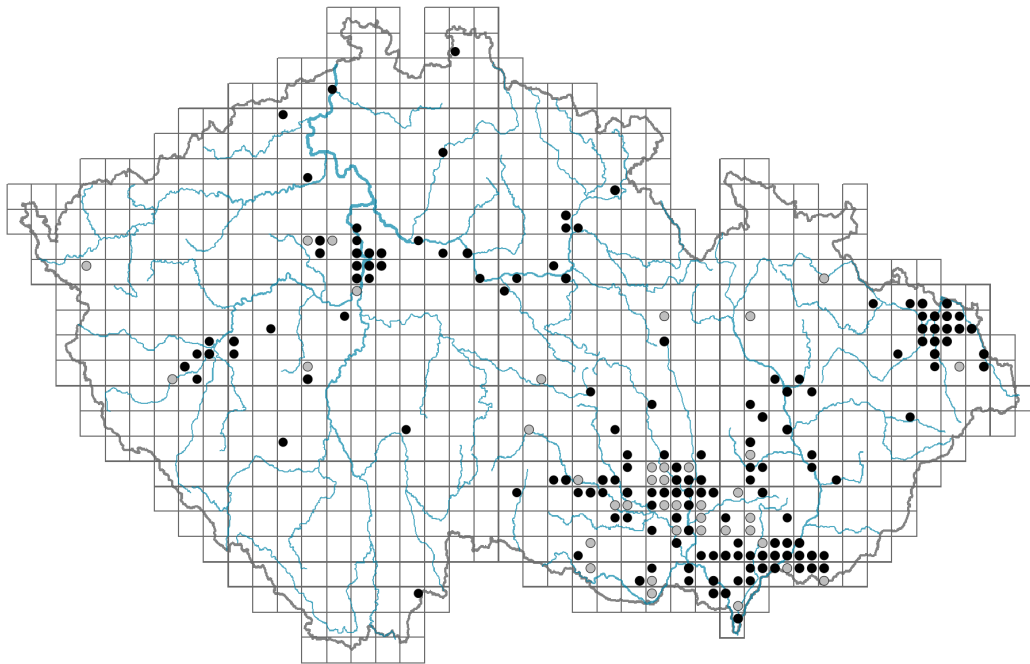


Dysphania botrys

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]: **0.2-0.7**

Growth form: **annual herb**

Life form: **therophyte**

Life strategy: **R - ruderal**

Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

Leaf life span: **summer green**

Leaf anatomy: **mesomorphic**

Flower

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

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

Flower colour: **green**

Flower symmetry: **actinomorphic**

Perianth type: **homochlamydeous**

Perianth fusion: **fused**
Inflorescence type: **panicula e dichasiis composita**
Dicliny: **synoecious**
Generative reproduction type: **facultative allogamy**
Pollination syndrome: **wind-pollination**

Fruit, seed and dispersal

Fruit type: **dry fruit - achene/cypsela/samara**
Fruit colour: **brown, grey**
Reproduction type: **only by seed/spores**
Dispersal unit (diaspore): **seed, fruit, infrutescence or its part**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (b)**

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**

Karyology

Chromosome number (2n): **18**
Ploidy level (x): **2**
2C genome size [Mbp]: **825.08**
1Cx monoploid genome size [Mbp]: **412.54**
Genomic GC content: **39.5 %**

Taxon origin

Origin in the Czech Republic: **archaeophyte**
Invasion status: **naturalized**

Geographic origin: **Mediterranean, Asia**
Period of introduction: **Neolithic (5600-4200 BCE)**
Introduction pathway: **unintentional - industry**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **9 - full light plant, occurring only in fully irradiated places, not at less than 50% of diffuse radiation incident in an open area**

Temperature indicator value: **8 - transition between values 7 and 9**

Moisture indicator value: **3 - missing on damp soil**

Reaction indicator value: **7 - indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**

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

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

Habitat and sociology

Occurrence in habitats

13 Anthropogenic vegetation

13A Annual vegetation of ruderal habitats: **2 - optimum**

13C Annual vegetation of trampled habitats: **1 - rare occurrence**

13D Perennial thermophilous ruderal vegetation: **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 alliances: [XBJ *Salsolion ruthenicae*](#)

Diagnostic taxon of associations: [XBJ01 *Chenopodietum botryos*](#), [XBJ02 *Bromotectorum-Corispermetum leptopteri*](#)

Constant taxon

Constant taxon of alliances: [XBJ *Salsolion ruthenicae*](#)

Constant taxon of associations: [XBJ01 *Chenopodietum botryos*](#), [XBJ02 *Bromotectorum-Corispermetum leptopteri*](#)

Dominant taxon

Dominant taxon of associations: [XBJ01 *Chenopodietum botryos*](#), [XBJ02 *Bromotectorum-Corispermetum leptopteri*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.4**

Ecological specialization index for non-forest vegetation: **5.3**

Colonization ability

Index of colonization success (ICS): **3**

Index of colonization potential (ICP): **8**

Optimum successional age [years]: **2**

Distribution and frequency

Floristic zone: **submeridional, meridional**

Floristic region: **Europe, Asia**

Continental degree: 7

Distribution range extension along the continentality gradient: **9**

Elevational belt in the Czech Republic: **lowlands, colline belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 120

taxon.data.freq_in_quad: 188

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%: **87.5 %**

Occurrence frequency in vegetation plots with a cover above 25%: **68.8 %**

Occurrence frequency in vegetation plots with a cover above 50%: **31.3 %**

Mean percentage cover in vegetation plots: **36.7 %**

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: **3**

Number of narrow habitats in which the taxon has its optimum: **1**

Number of broad habitats in which the taxon occurs: **1**

Number of broad habitats in which the taxon has its optimum: **1**

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**