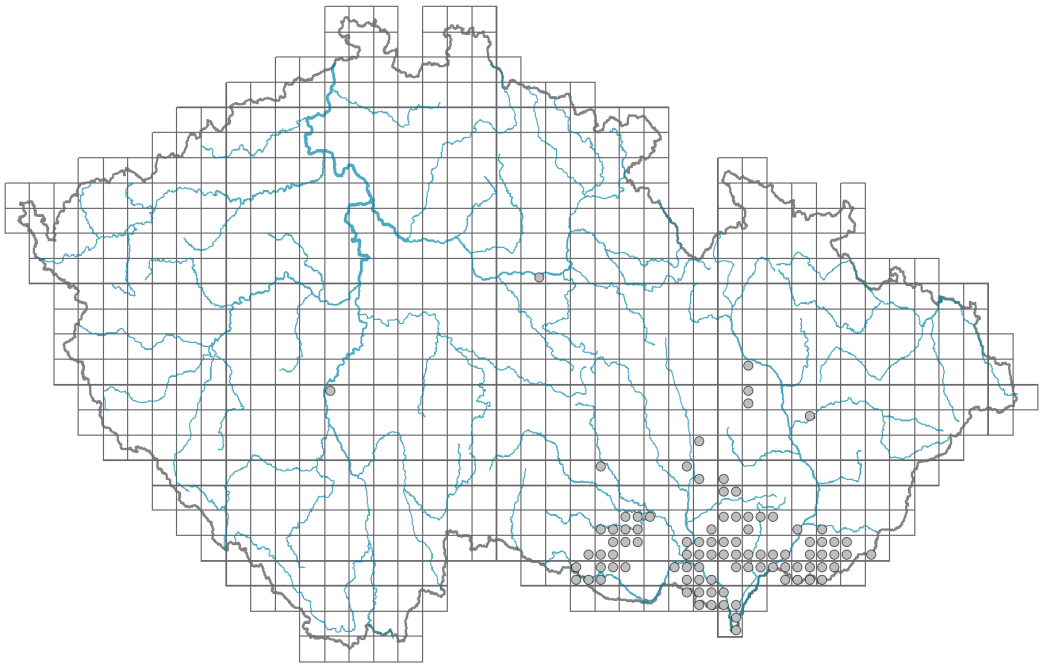
Iris variegata

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]: **0.2–0.4**
Growth form: **clonal herb**
Life form: **hemicryptophyte**
Life strategy: **CSR – competitor/stress-tolerator/ruderal**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **absent**
Leaf life span: **summer green**

Flower

Flowering period [month]: **May–June**
Flower colour: **yellow, red-brown**
Flower symmetry: **actinomorphic**
Perianth type: **homochlamydeous**
Perianth fusion: **fused**
Shape of the sympetalous corolla or syntepalous perianth: **special type**

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Inflorescence type: **rhipidium**
Dicliny: **synoecious**
Generative reproduction type: **allogamy**
Pollination syndrome: **insect-pollination**

Fruit, seed and dispersal

Fruit type: **dry fruit – capsule**
Fruit colour: **brown**
Reproduction type: **mostly vegetatively, rarely by seed/spores**
Dispersal unit (diaspore): **seed**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (a) nv**

Belowground organs and clonality

Shoot metamorphosis: **rhizome**
Storage organ: **rhizome**
Type of clonal growth organ: **epigeogenous rhizome**
Freely dispersible organs of clonal growth: **absent**
Shoot life span (cyclicity): **dicyclic or polycyclic shoots prevailing**
Branching type of stem-derived organs of clonal growth: **sympodial**
Primary root: **absent**
Persistence of the clonal growth organ [year]: **4**
Number of clonal offspring: **2.7**
Lateral spreading distance by clonal growth [m]: **0.09**
Clonal index: **4**

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): **15**
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): **20**
Depth of the belowground bud bank (root buds exluded) [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): **15**
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): **20**
Depth of the belowground bud bank (root buds included) [cm]: **4**

Trophic mode

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

Karyology

Chromosome number (2n): **24**
Ploidy level (x): **2**

2C genome size [Mbp]: **10888.52**
1Cx monoploid genome size [Mbp]: **5444.26**
Genomic GC content: **42.8 %**

Taxon origin

Origin in the Czech Republic: **native**

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: **7 – heat indicator, occurring in relatively warm lowlands**
Moisture indicator value: **3 – missing on damp soil**
Reaction indicator value: **8x – transition between values 7 and 9, occurring mostly in calcium-rich conditions (generalist)**
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: **-1.72**
Herb layer disturbance frequency indicator value: **-0.67**
Whole-community disturbance severity indicator value: **0.21**
Herb layer disturbance severity indicator value: **0.13**
Whole-community structure based disturbance indicator value: **0.25**
Herb layer structure-based disturbance indicator value: **0.32**

Habitat and sociology

Occurrence in habitats

8 Dry grasslands

8D Broad-leaved dry grasslands: **2 – optimum**
8F Thermophilous forest fringe vegetation: **1 – rare occurrence**

9 Sand grasslands and rock-outcrop vegetation

9F Basiphilous vegetation of spring therophytes and succulents: **1 – rare occurrence**

11 Heathlands and scrub

11L Tall mesic and xeric shrub: **1 – rare occurrence**
11N Low xeric scrub: **1 – rare occurrence**

12 Forests

12H Peri-Alpidic basiphilous thermophilous oak forests: **2 – optimum**
12I Sub-continental thermophilous oak forests: **2 – optimum**

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

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Diagnostic taxon of alliances: **LCB *Aceri tatarici-Quercion***
Diagnostic taxon of associations: **LCA02 *Lithospermo purpurocaerulei-Quercetum pubescentis*, LCB01 *Quercetum pubescenti-roboris*, LCB02 *Carici fritschii-Quercetum roboris***

Constant taxon

Constant taxon of alliances: **LCB *Aceri tatarici-Quercion***
Constant taxon of associations: **LCB01 *Quercetum pubescenti-roboris*, LCB02 *Carici fritschii-Quercetum roboris***

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.8**
Ecological specialization index for non-forest vegetation: **5**
Ecological specialization index for forest vegetation: **5.3**

Colonization ability

Index of colonization success (ICS): **1**
Index of colonization potential (ICP): **1**

Distribution and frequency

Floristic zone: **submeridional**
Floristic region: **Europe**
Continentality degree: **6**
Distribution range extension along the continentality gradient: **3**
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: 46
taxon.data.freq_in_quad: 94

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%: **20.6 %**
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: **4.4 %**
Maximum percentage cover in vegetation plots: **13 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **7**
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): **C2b – endangered taxon, rare and declining**
Red List 2017 (IUCN categories): **VU – vulnerable**
Legal protection: **endangered taxon**

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