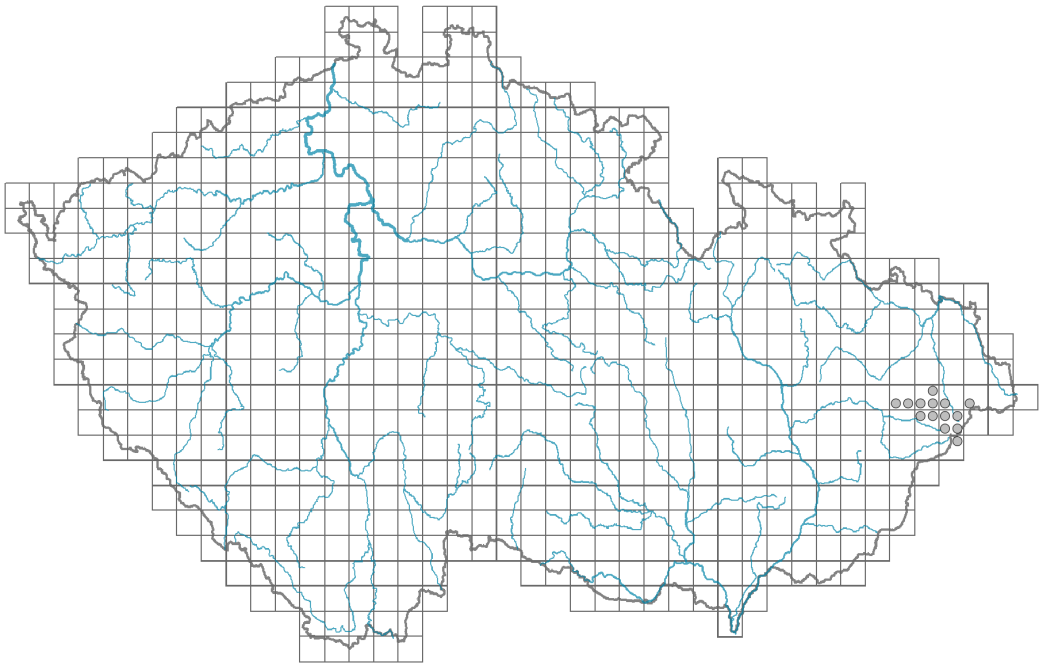
Aconitum firmum subsp. *moravicum*



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]: **0.4–1.8**
Growth form: **clonal herb**
Life form: **hemicryptophyte (geophyte)**
Life strategy (Pierce method based on leaf traits): **C/CR**
Life strategy (Pierce method, C-score): **66.9 %**
Life strategy (Pierce method, S-score): **3.8 %**
Life strategy (Pierce method, R-score): **29.3 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **simple – palmately divided**
Stipules: **absent**
Petiole: **present**

Flower

Flower colour: **blue-violet**
Flower symmetry: **zygomorphic**
Perianth type: **homochlamydeous**
Perianth fusion: **free**

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Inflorescence type: **racemus**
Generative reproduction type: **facultative allogamy**



Fruit, seed and dispersal

Fruit type: **dry fruit – cluster of follicles**
Fruit colour: **brown**
Dispersal unit (diaspore): **seed**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **probably non-myrmecochorous nv**



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]: **9585.77**
1Cx monoploid genome size [Mbp]: **4792.89**
Genomic GC content: **42.6 %**



Taxon origin

Origin in the Czech Republic: **native**



Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **5 – semi-shade plant, only exceptionally occurring in full light, but usually at more than 10% of the diffuse radiation incident in an open area**
Temperature indicator value: **4 – transition between values 3 and 5**
Moisture indicator value: **7 – humidity indicator, focus on well moistened, but not wet soils**
Reaction indicator value: **6 – transition between values 5 and 7**
Nutrient indicator value: **6 – transition between values 5 and 7**
Salinity indicator value: **0 – not salt tolerant, glycophyte**



Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.59**
Herb layer disturbance frequency indicator value: **-0.79**
Whole-community disturbance severity indicator value: **0.15**
Herb layer disturbance severity indicator value: **0.11**
Whole-community structure based disturbance indicator value: **0.23**
Herb layer structure-based disturbance indicator value: **0.31**

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Habitat and sociology





Occurrence in habitats

2 Alpine and subalpine grasslands

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

4 Wetland and riverine herbaceous vegetation

4K Petasites fringes of montane brooks: **2 – optimum**

5 Vegetation of springs and mires

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

11 Heathlands and scrub

11H Subalpine deciduous scrub: **2 – optimum**

12 Forests

12E Herb-rich beech forests: **2 – optimum**

12G Acidophilous beech forests: **1 – rare occurrence**

12R Acidophilous spruce forests: **1 – rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.1 – taxon occurring both in the forest and open vegetation**

Constant taxon

Constant taxon of associations: **KCA02 *Adenostylo alliariae-Pinetum mugo***

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.9**

Ecological specialization index for non-forest vegetation: **5.7**

Ecological specialization index for forest vegetation: **6.3**

Distribution and frequency

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 15

taxon.data.freq_in_quad: 27

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%: **6.9 %**

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: **2.7 %**

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: **4**

Number of broad habitats in which the taxon occurs: **5**

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

Threats and protection

Red List 2017 (national categories): **C2b – endangered taxon, rare and declining**

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Red List 2017 (IUCN categories): **VU – vulnerable**
Legal protection: **endangered taxon**

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