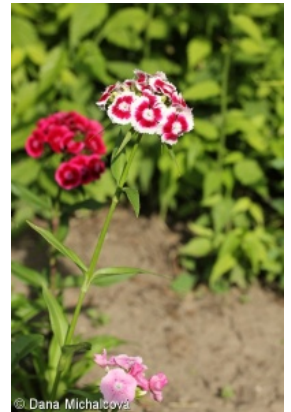
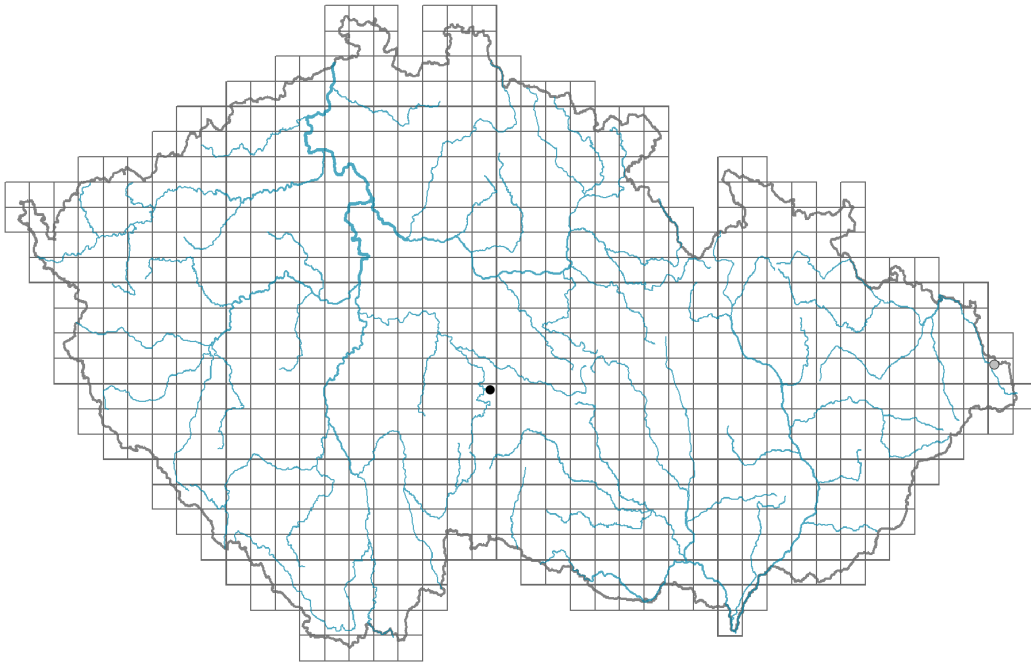


Dianthus barbatus subsp. *barbatus*

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.

Habitus and growth type

Height [m]: **0.3-0.6**

Growth form: **polycarpic perennial non-clonal herb**

Life form: **hemicryptophyte**

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

Life strategy (Pierce method, C-score): **36.3 %**

Life strategy (Pierce method, S-score): **36 %**

Life strategy (Pierce method, R-score): **27.7 %**

Leaf

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

Leaf arrangement (phyllotaxis): **opposite**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **absent**

Leaf life span: **evergreen**

Leaf anatomy: **mesomorphic**

Flower

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

Flower colour: **white, red, red-violet**



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Flower symmetry: **actinomorphic**
 Perianth type: **calyx and corolla**
 Perianth fusion: **free**
 Calyx fusion: **synsepalous**
 Inflorescence type: **corymbothyrus**
 Dicliny: **synoecious**
 Generative reproduction type: **facultative allogamy**
 Pollination syndrome: **insect-pollination**

Fruit, seed and dispersal

Fruit type: **dry fruit - capsule**
 Reproduction type: **only by seed/spores**
 Dispersal unit (diaspore): **seed**
 Dispersal strategy: **Allium (mainly autochory)**
 Myrmecochory: **non-myrmecochorous (b)**

Belowground organs and clonality

Shoot metamorphosis: **pleiocorm**
 Storage organ: **pleiocorm**
 Shoot life span (cyclicality): **dicyclic or polycyclic shoots prevailing**
 Branching type of stem-derived organs of clonal growth: **sympodial**
 Primary root: **present**

Bud bank

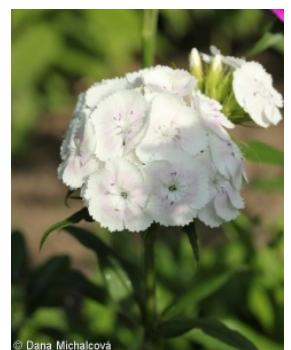
Number of buds per shoot at the soil surface (root buds excluded): **5**
 Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **15**
 Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **0**
 Size of the belowground bud bank (root buds excluded): **20**
 Depth of the belowground bud bank (root buds excluded) [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**

Taxon origin

Origin in the Czech Republic: **archaeophyte/neophyte**
 Invasion status: **naturalized**
 Geographic origin: **Europe**
 Year of the first record in the wild: **1874**
 Period of introduction: **Late Middle Ages and Early Modern Period (merged)**



category, 1200-1800)Introduction pathway: **intentional - ornamental****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: **5 - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out**Reaction indicator value: **6 - transition between values 5 and 7**Nutrient indicator value: **5 - occurring at moderately nutrient-rich sites, and less frequently at poor and rich sites**Salinity indicator value: **0 - not salt tolerant, glycophyte****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**

Colonization ability

Index of colonization success (ICS): **1****Distribution and frequency**Floristic zone: **submeridional**Floristic region: **Europe**Continental degree: **6**Distribution range extension along the continentality gradient: **2**Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **134**taxon.data.freq_in_quad: **172**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0 %**Occurrence frequency in vegetation plots with a cover above 5%: **100 %**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: **13 %**Maximum percentage cover in vegetation plots: **13 %****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**