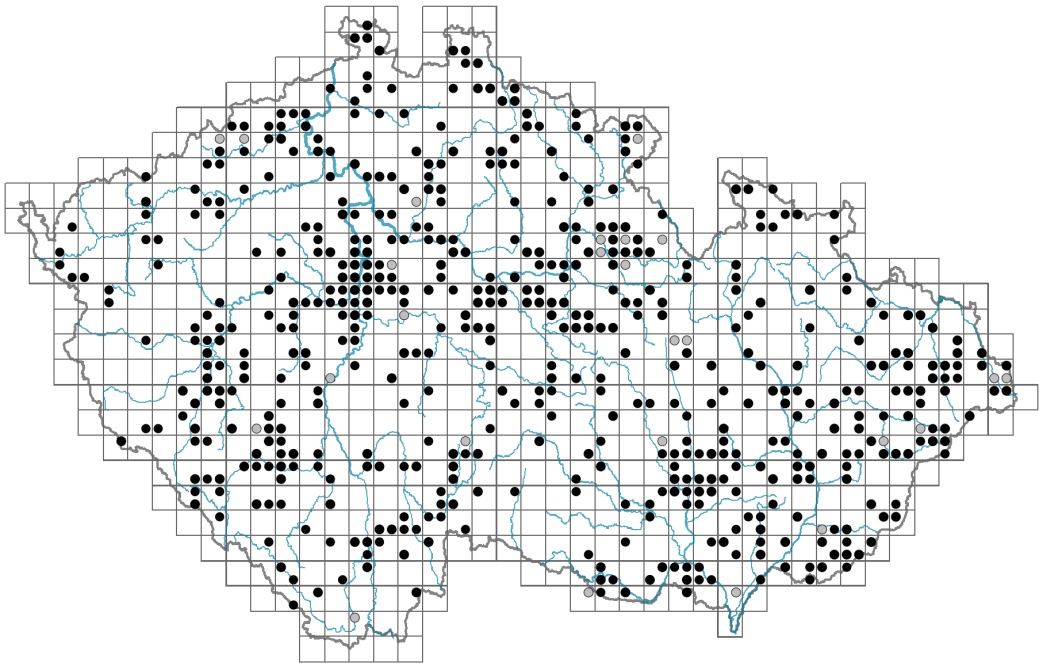
# *Agrostemma githago*

## 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]: **0.3–1**
Growth form: **annual herb**
Life form: **therophyte**
Life strategy: **CR – competitor/ruderal**
Life strategy (Pierce method based on leaf traits): **CSR**
Life strategy (Pierce method, C-score): **36.6 %**
Life strategy (Pierce method, S-score): **26.9 %**
Life strategy (Pierce method, R-score): **36.5 %**

### Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **opposite**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **absent**
Leaf life span: **overwintering green**
Leaf anatomy: **scleromorphic, mesomorphic**

### Flower

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

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Flowering phase: **7 Ligustrum vulgare-Stachys sylvatica (end of early summer)**
Flower colour: **red-violet**
Flower symmetry: **actinomorphic**
Perianth type: **calyx and corolla**
Perianth fusion: **free**
Calyx fusion: **synsepalous**
Inflorescence type: **dichasium, cincinnus**
Dicliny: **synoecious, gynomonoecious, gynodioecious**
Generative reproduction type: **facultative allogamy**
Pollination syndrome: **insect-pollination, selfing**




## Fruit, seed and dispersal

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




## Belowground organs and clonality

Shoot life span (cyclicity): **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 exluded) [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): **48**
Ploidy level (x): **4**
2C genome size [Mbp]: **3501.89**
1Cx monoploid genome size [Mbp]: **875.47**
Genomic GC content: **41 %**

## Taxon origin




Origin in the Czech Republic: **archaeophyte**
Invasion status: **naturalized**
Geographic origin: **anecophyte**
Period of introduction: **Neolithic (5600–4200 BCE)**
Introduction pathway: **unintentional – agriculture**

## 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: **6 – transition between values 5 and 7**
Moisture indicator value: **4x – transition between values 3 and 5 (generalist)**
Reaction indicator value: **6x – transition between values 5 and 7 (generalist)**
Nutrient indicator value: **6x – transition between values 5 and 7 (generalist)**
Salinity indicator value: **0 – not salt tolerant, glycophyte**

## Habitat and sociology

### Occurrence in habitats

#### 13 Anthropogenic vegetation

13A Annual vegetation of ruderal habitats: **1 – rare occurrence**
13B Annual vegetation of arable land: **2 – optimum**

### 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**

### Ecological specialization indices

Ecological specialization index for all vegetation types: **5.4**
Ecological specialization index for non-forest vegetation: **5.3**

## Distribution and frequency

Floristic zone: **boreal, northern temperate, southern temperate, submeridional, meridional**
Floristic region: **Europe, Asia**
Distribution range extension along the continentality gradient: **7**
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: 362
taxon.data.freq_in_quad: 566

### Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0 %**
Occurrence frequency in vegetation plots with a cover above 5%: **0 %**
Occurrence frequency in vegetation plots with a cover above 25%: **0 %**

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Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **1.9 %**
Maximum percentage cover in vegetation plots: **3 %**

### Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **2**
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): **C1t – critically threatened taxon, declining**
Red List 2017 (IUCN categories): **CR – critically endangered**
Legal protection: **not protected by law**

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