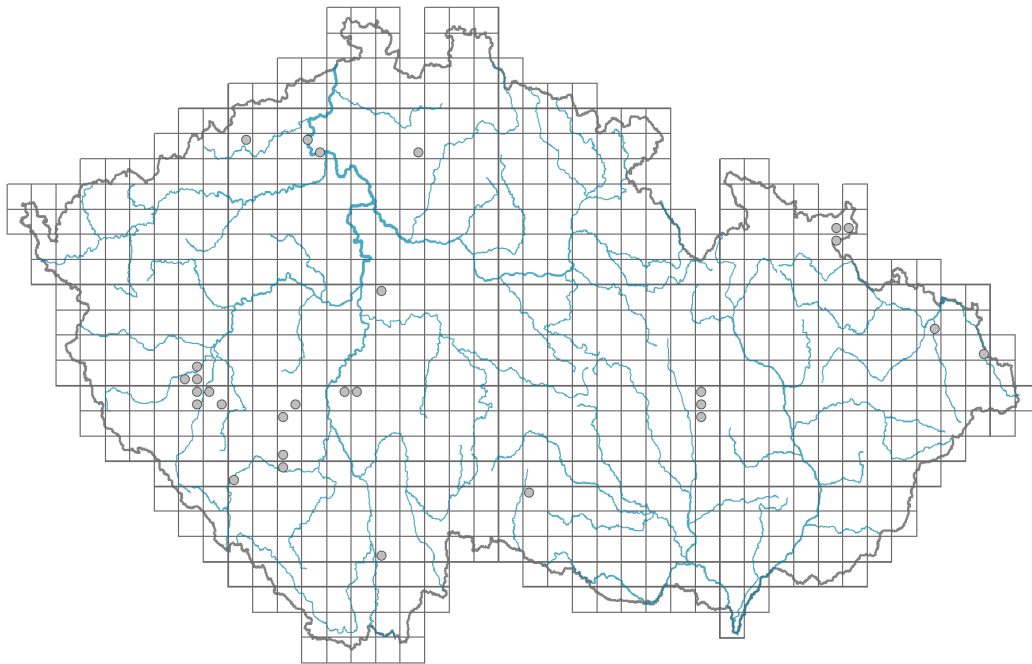


Consolida regalis subsp. *regalis*

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.



© Jana Kúrová



© Dana Michalíková



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Habitus and growth type

Height [m]: **0.15-1.2**

Growth form: **annual herb**

Life form: **therophyte**

Life strategy: **R - ruderal**

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

Life strategy (Pierce method, C-score): **20.4 %**

Life strategy (Pierce method, S-score): **36.9 %**

Life strategy (Pierce method, R-score): **42.7 %**

Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - palmately divided**

Stipules: **absent**

Petiole: **present**

Leaf life span: **overwintering green**

Leaf anatomy: **scleromorphic, mesomorphic**

Flower

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

Flowering phase: **7 Ligustrum vulgare-Stachys sylvatica (end of early summer)**

Flower colour: **white, pink, blue-violet**

Flower symmetry: **zygomorphic**

Perianth type: **homochlamydeous**

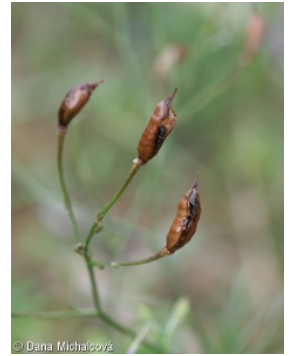
Perianth fusion: **free**

Inflorescence type: **panicula**

Dicliny: **synoecious**

Generative reproduction type: **facultative allogamy**

Pollination syndrome: **insect-pollination**



Fruit, seed and dispersal

Fruit type: **dry fruit - cluster of follicles**

Fruit colour: **brown**

Reproduction type: **only by seed/spores**

Dispersal unit (diaspore): **seed**

Dispersal strategy: **Allium (mainly autochory)**

Myrmecochory: **non-myrmecochorous (b)**



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 excluded) [cm]: **1**

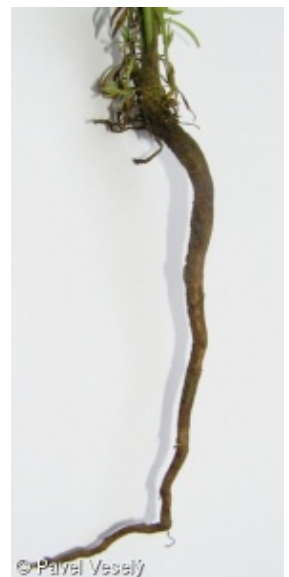
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Number of buds per shoot at a depth greater than 10 cm (root buds included): **0**

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

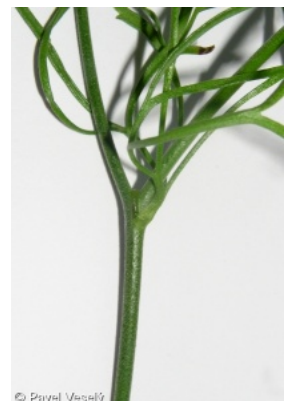
Chromosome number (2n): **16**

Ploidy level (x): **2**

2C genome size [Mbp]: **6626.28**

1Cx monoploid genome size [Mbp]: **3313.14**

Genomic GC content: **40.6 %**



Taxon origin

Origin in the Czech Republic: **archaeophyte**
 Invasion status: **naturalized**
 Geographic origin: **Mediterranean**
 Period of introduction: **Bronze Age (2300-750 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: **7 - heat indicator, occurring in relatively warm lowlands**

Moisture indicator value: **4 - transition between values 3 and 5**

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: **0 - not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **0.19**

Herb layer disturbance frequency indicator value: **0.19**

Whole-community disturbance severity indicator value: **0.97**

Herb layer disturbance severity indicator value: **0.97**

Whole-community structure based disturbance indicator value: **0.77**

Herb layer structure-based disturbance indicator value: **0.83**

Habitat and sociology

Occurrence in habitats

8 Dry grasslands

8C Narrow-leaved sub-continental steppes: **1 - rare occurrence**

9 Sand grasslands and rock-outcrop vegetation

9B Open vegetation of acidic sands: **1 - rare occurrence**

9E Acidophilous vegetation of spring therophytes and succulents: **1 - rare occurrence**

11 Heathlands and scrub

11L Tall mesic and xeric shrub: **1 - rare occurrence**

13 Anthropogenic vegetation

13A Annual vegetation of ruderal habitats: **1 - rare occurrence**

13B Annual vegetation of arable land: **2 - optimum**

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: [XBA Caucalidion](#)

Diagnostic taxon of associations: [XBA01 Caucalido platycarpi-Conringietum orientalis](#), [XBA02 Lathyro tuberosi-Adonidetum aestivalis](#), [XBA03 Euphorbio exiguae-Melandrietum noctiflori](#), [XBA04 Stachyo annuae-Setarietum pumilae](#), [XBA05 Veronicetum hederifolio-triphylli](#)

Constant taxon

Constant taxon of alliances: [XBA Caucalidion](#)

Constant taxon of associations: [XBA01 Caucalido platycarpi-Conringietum orientalis](#), [XBA02 Lathyro tuberosi-Adonidetum aestivalis](#), [XBA03 Euphorbio exiguae-Melandrietum noctiflori](#), [XBA04 Stachyo annuae-Setarietum pumilae](#)

Dominant taxon

Dominant taxon of associations: [XBA02 Lathyro tuberosi-Adonidetum aestivalis](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.8**

Ecological specialization index for non-forest vegetation: **5.8**

Colonization ability

Index of colonization success (ICS): **4**

Index of colonization potential (ICP): **3**

Optimum successional age [years]: **4**

Distribution and frequency

Floristic zone: **northern temperate, southern temperate, submeridional**

Floristic region: **Europe, Western Asia**

Continental degree: **6**

Distribution range extension along the continentality gradient: **5**

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: **418**

taxon.data.freq_in_quad: **1068**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **1.2 %**

Occurrence frequency in vegetation plots with a cover above 5%: **22.4 %**

Occurrence frequency in vegetation plots with a cover above 25%: **3.9 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0 %**

Mean percentage cover in vegetation plots: **6.1 %**

Maximum percentage cover in vegetation plots: **42 %**

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: **1**

Number of broad habitats in which the taxon occurs: **4**

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

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**