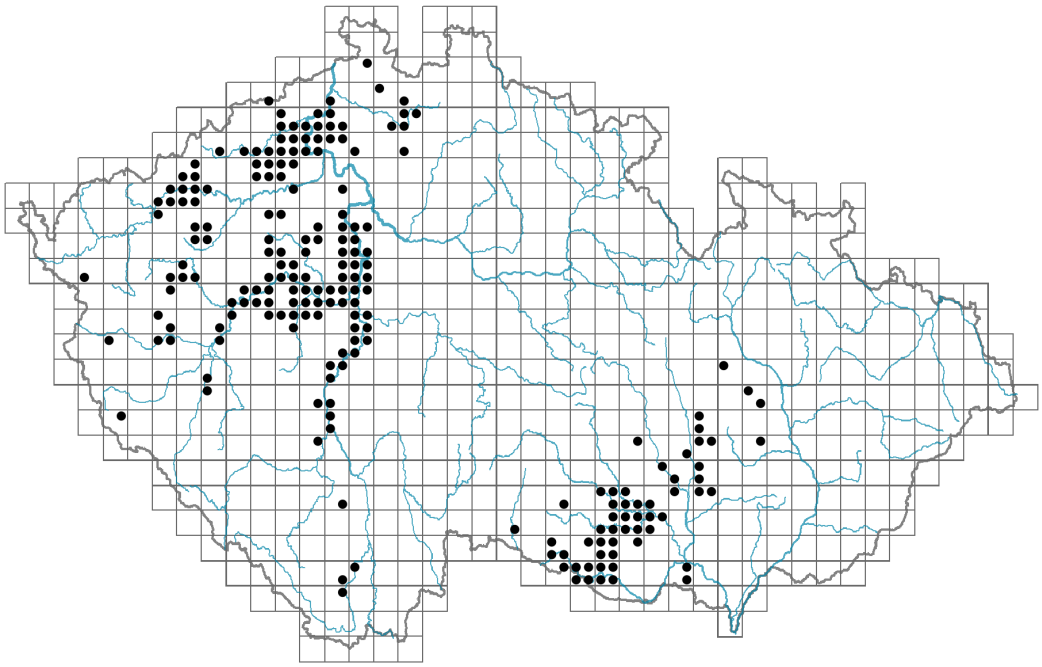
Cotoneaster integerrimus

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]: **0.5–1.5**
Growth form: **shrub**
Life form: **nanophanerophyte**
Life strategy: **C – competitor**
Life strategy (Pierce method based on leaf traits): **S/CS**
Life strategy (Pierce method, C-score): **14.2 %**
Life strategy (Pierce method, S-score): **74 %**
Life strategy (Pierce method, R-score): **11.8 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **simple – entire**
Stipules: **present**
Petiole: **present**
Leaf life span: **summer green**
Leaf deciduousness in woody plants: **winter deciduous**
Leaf anatomy: **scleromorphic, mesomorphic**
Functional leaf type in woody plants: **broad deciduous or semi-deciduous**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

Flower



Flowering period [month]: **April–June**
Flowering phase: **3 Prunus avium-Ranunculus auricomus (end of early spring)**
Flower colour: **pink**
Flower symmetry: **actinomorphic**
Perianth type: **calyx and corolla**
Perianth fusion: **free**
Calyx fusion: **hypanthium**
Inflorescence type: **corymbus**
Dicliny: **synoecious**
Generative reproduction type: **mixed mating**
Pollination syndrome: **insect-pollination, selfing**

Fruit, seed and dispersal





Fruit type: **fleshy fruit – pome**
Fruit colour: **orange, red**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **seed, fruit, infrutescence or its part**
Dispersal strategy: **Cornus (mainly autochory and endozoochory)**
Myrmecochory: **non-myrmecochorous (b)**

Belowground organs and clonality

Position of root buds: **lateral roots**
Role of root buds in life-history of a plant: **regenerative**

Bud bank



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

Trophic mode

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

Karyology

Chromosome number (2n): **68 (34, 51, 102)**
Ploidy level (x): **4 (2, 3, 6)**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

2C genome size [Mbp]: **2185.34**
1Cx monoploid genome size [Mbp]: **546.34**
Genomic GC content: **39.9 %**



Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **8 – light plant, only exceptionally occurring at less than 40% of diffuse radiation incident in an open area**
Temperature indicator value: **6 – transition between values 5 and 7**
Moisture indicator value: **3 – missing on damp soil**
Reaction indicator value: **7 – indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**
Nutrient indicator value: **3 – occurring at nutrient-poor sites more frequently than at average sites and exceptionally at rich sites**
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: **-0.92**
Whole-community disturbance severity indicator value: **0.23**
Herb layer disturbance severity indicator value: **0.16**
Whole-community structure based disturbance indicator value: **0.26**
Herb layer structure-based disturbance indicator value: **0.26**



Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **1 – rare occurrence**
1B Siliceous cliffs and block fields: **1 – rare occurrence**



8 Dry grasslands

8A Hercynian dry grasslands on rock outcrops: **2 – optimum**
8B Submediterranean dry grasslands on rock outcrops: **2 – optimum**
8C Narrow-leaved sub-continental steppes: **1 – rare occurrence**
8D Broad-leaved dry grasslands: **1 – rare occurrence**
8E Acidophilous dry grasslands: **1 – rare occurrence**
8F Thermophilous forest fringe vegetation: **2 – optimum**

11 Heathlands and scrub

11A Dry lowland to subalpine heathlands: **1 – rare occurrence**
11L Tall mesic and xeric shrub: **1 – rare occurrence**
11N Low xeric scrub: **3 – dominant**



12 Forests

12C Oak-hornbeam forests: **1 – rare occurrence**
12D Ravine forests: **1 – rare occurrence**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz









12F Limestone beech forests: **1 – rare occurrence**
12H Peri-Alpidic basiphilous thermophilous oak forests: **2 – optimum**
12I Sub-continental thermophilous oak forests: **1 – rare occurrence**
12J Acidophilous thermophilous oak forests: **2 – optimum**
12K Acidophilous oak forests: **2 – optimum**
12L Boreo-continental pine forests: **1 – rare occurrence**
12O Peri-Alpidic pine forests: **2 – optimum**
12W Pine and larch plantations: **1 – rare occurrence**

Affinity to the forest environment

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

Diagnostic taxon

Diagnostic taxon of alliances: **KBB *Berberidion vulgaris***, **KBG *Euphorbio cyparissiae-Robinion pseudoacaciae***, **LCA *Quercion pubescenti-petraeae***, **THC *Diantho lumnitzeri-Seslerion***
Diagnostic taxon of associations: **KBB01 *Junipero communis-Cotoneasteretum integerrimi***, **KBG01 *Melico transsilvanicae-Robinietum pseudoacaciae***, **LBF04 *Seslerio albicantis-Tilietum cordatae***, **LCA01 *Lathyro collini-Quercetum pubescentis***, **THC01 *Carici humilis-Seslerietum caeruleae***, **THH02 *Geranio sanguinei-Dictamnetum albae***

Constant taxon

Constant taxon of associations: **KBB01 *Junipero communis-Cotoneasteretum integerrimi***, **LBF04 *Seslerio albicantis-Tilietum cordatae***, **LCA01 *Lathyro collini-Quercetum pubescentis***, **THH02 *Geranio sanguinei-Dictamnetum albae***

Dominant taxon

Dominant taxon of associations: **KBB01 *Junipero communis-Cotoneasteretum integerrimi***

Ecological specialization indices

Ecological specialization index for all vegetation types: **3.9**
Ecological specialization index for non-forest vegetation: **4**
Ecological specialization index for forest vegetation: **4.5**

Colonization ability

Index of colonization success (ICS): **5**
Index of colonization potential (ICP): **6**
Optimum successional age [years]: **49.5**

Distribution and frequency

Floristic zone: **boreal, northern temperate, southern temperate, submeridional**
Floristic region: **Europe**
Continentality degree: **5**
Distribution range extension along the continentality gradient: **4**
Elevational belt in the Czech Republic: **lowlands, colline belt (montane belt)**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 176
taxon.data.freq_in_quad: 351

© 2014-2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.7 %**
Occurrence frequency in vegetation plots with a cover above 5%: **22.4 %**
Occurrence frequency in vegetation plots with a cover above 25%: **11.4 %**
Occurrence frequency in vegetation plots with a cover above 50%: **5.5 %**
Mean percentage cover in vegetation plots: **9.1 %**
Maximum percentage cover in vegetation plots: **88 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **21**
Number of narrow habitats in which the taxon has its optimum: **8**
Number of broad habitats in which the taxon occurs: **4**
Number of broad habitats in which the taxon has its optimum: **3**

Threats and protection

Red List 2017 (national categories): **C4a – near threatened taxon**
Red List 2017 (IUCN categories): **NT – near threatened**
Legal protection: **not protected by law**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz