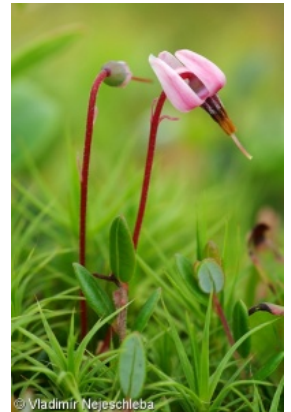
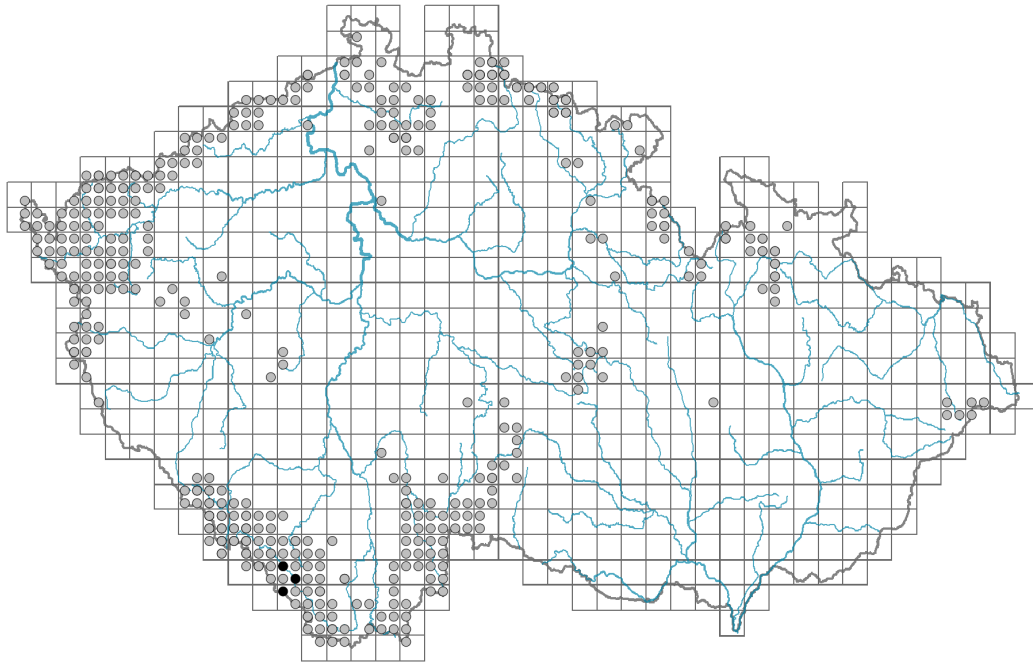


# *Vaccinium oxycoccos* agg.

## Distribution



© Vladimír Nejšlechta

### Map info

● revised records

○ unrevised records

On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.



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## Habitus and growth type

Height [m]: **0.01-0.06**

Growth form: **dwarf shrub**

Life form: **chamaephyte**

Life strategy: **CS - competitor/stress-tolerator**

## Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

Leaf life span: **evergreen**

Leaf deciduousness in woody plants: **evergreen**

Leaf anatomy: **scleromorphic**

Functional leaf type in woody plants: **sclerophyllous**

## Flower

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

Flowering phase: **5 Sorbus aucuparia-Galium odoratum (end of mid-spring)**

Flower colour: **pink**



© Barbora Olštová

Flower symmetry: **actinomorphic**  
 Perianth type: **calyx and corolla**  
 Perianth fusion: **fused**  
 Shape of the sympetalous corolla or syntepalous perianth: **rotate**  
 Calyx fusion: **synsepalous**  
 Inflorescence type: **racemus, flores solitarii**  
 Dicliny: **synoecious**  
 Generative reproduction type: **mixed mating**  
 Pollination syndrome: **wind-pollination, insect-pollination, selfing**

### Fruit, seed and dispersal

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

### Belowground organs and clonality

Shoot metamorphosis: **stolon**  
 Type of clonal growth organ: **stolon, epigeogenous rhizome**  
 Freely dispersible organs of clonal growth: **absent**  
 Shoot life span (cyclicality): **dicyclic or polycyclic shoots prevailing**  
 Branching type of stem-derived organs of clonal growth: **sympodial**  
 Primary root: **absent**  
 Persistence of the clonal growth organ [year]: **4**  
 Number of clonal offspring: **0.5**  
 Lateral spreading distance by clonal growth [m]: **0.13**

### Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **15**  
 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): **30**  
 Depth of the belowground bud bank (root buds excluded) [cm]: **3**  
 Number of buds per shoot at the soil surface (root buds included): **15**  
 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): **30**  
 Depth of the belowground bud bank (root buds included) [cm]: **3**

### Trophic mode

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



## Karyology

Chromosome number (2n): **24, 48, 60, 72**

Ploidy level (x): **2, 4, 5, 6**

2C genome size [Mbp]: **2842.98**

1Cx monoploid genome size [Mbp]: **642.78**

## Taxon origin

Origin in the Czech Republic: **native**

## Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **7x - 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 (generalist)**

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

Moisture indicator value: **9 - wetness indicator, focus on often soaked, poorly aerated soils**

Reaction indicator value: **2x - transition between values 1 and 3 (generalist)**

Nutrient indicator value: **1 - occurring at nutrient-poorest sites**

Salinity indicator value: **0 - not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.8**

Herb layer disturbance frequency indicator value: **-1.65**

Whole-community disturbance severity indicator value: **0.04**

Herb layer disturbance severity indicator value: **0.05**

Whole-community structure based disturbance indicator value: **0.42**

Herb layer structure-based disturbance indicator value: **0.33**

## Habitat and sociology

Occurrence in habitats

3 Aquatic vegetation

3C Macrophytic vegetation of oligotrophic lakes and pools: **1 - rare occurrence**

4 Wetland and riverine herbaceous vegetation

4G Tall-sedge beds: **1 - rare occurrence**

5 Vegetation of springs and mires

5E Acidic moss-rich fens and peatland meadows: **1 - rare occurrence**

5F Transitional mires: **2 - optimum**

5G Raised bogs: **2 - optimum**

5H Wet peat soils and bog hollows: **2 - optimum**

6 Meadows and mesic pastures

6F Intermittently wet Molinia meadows: **1 - rare occurrence**

12 Forests

12P Peatland pine forests: **2 - optimum**

12Q Peatland birch forests: **2 - optimum**



12R Acidophilous spruce forests: **2 - optimum**

Diagnostic taxon

Diagnostic taxon of classes: [RC \*Oxycocco-Sphagnetea\*](#)

Diagnostic taxon of alliances: [RBD \*Sphagno-Caricion canescentis\*](#), [RBE \*Sphagnion cuspidati\*](#), [RCA \*Sphagnion magellanicum\*](#), [RCB \*Oxycocco palustris-Ericion tetralicis\*](#), [RCC \*Oxycocco microcarpi-Empetrium hermaphroditi\*](#)

Diagnostic taxon of associations: [LFD01 \*Vaccinio uliginosi-Betuletum pubescentis\*](#), [RBC02 \*Drosero anglicae-Rhynchosporium albae\*](#), [RBD02 \*Sphagno recurvi-Caricetum lasiocarpae\*](#), [RBE01 \*Drepanoclado fluitantis-Caricetum limosae\*](#), [RBE03 \*Rhynchosporo albae-Sphagnetum tenelli\*](#), [RCA01 \*Eriophoro vaginati-Sphagnetum recurvi\*](#), [RCA02 \*Andromedo polifoliae-Sphagnetum magellanicum\*](#), [RCA03 \*Vaccinio uliginosi-Pinetum mugo\*](#), [RCA05 \*Ledo palustris-Pinetum uncinatae\*](#), [RCB01 \*Trichophoro cespitosi-Sphagnetum papillosum\*](#), [RCC02 \*Empetro nigri-Sphagnetum fuscum\*](#)

Constant taxon

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Dominant taxon

Dominant taxon of associations: [MCG03 \*Peucedano palustris-Caricetum lasiocarpae\*](#), [RBD02 \*Sphagno recurvi-Caricetum lasiocarpae\*](#), [RBD04 \*Polytricho communis-Molinietum caeruleae\*](#), [RCA01 \*Eriophoro vaginati-Sphagnetum recurvi\*](#), [RCA04 \*Sphagno-Pinetum sylvestris\*](#), [RCA05 \*Ledo palustris-Pinetum uncinatae\*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **5**

Ecological specialization index for non-forest vegetation: **5**

Ecological specialization index for forest vegetation: **6.6**

## Distribution and frequency

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

Floristic region: **circumpolar**

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 176

taxon.data.freq\_in\_quad: 369

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **1.4 %**

Occurrence frequency in vegetation plots with a cover above 5%: **32.5 %**

Occurrence frequency in vegetation plots with a cover above 25%: **7 %**

Occurrence frequency in vegetation plots with a cover above 50%: **1.4 %**

Mean percentage cover in vegetation plots: **7.9 %**

Maximum percentage cover in vegetation plots: **63 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **10**

Number of narrow habitats in which the taxon has its optimum: **6**

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

Number of broad habitats in which the taxon has its optimum: **2**