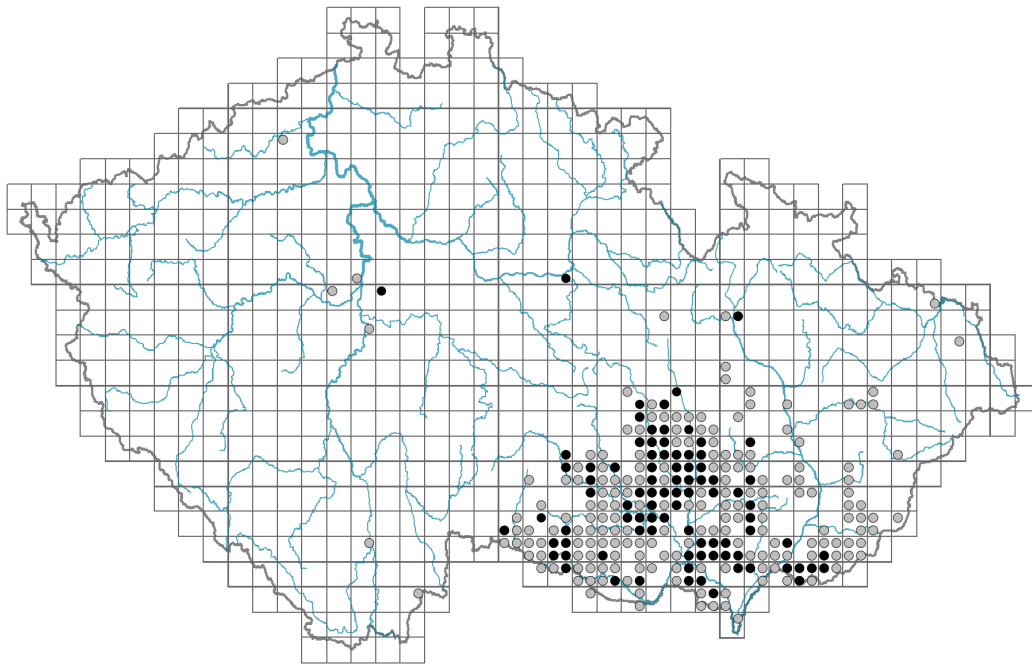


Euonymus verrucosus

Distribution



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Map info

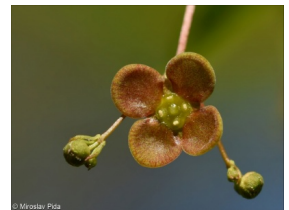
● revised records

○ unrevised records

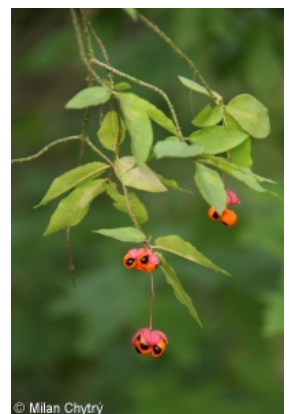
On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.



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Habitus and growth type

Height [m]: **1-4**

Growth form: **shrub**

Life form: **nanophanerophyte**

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

Life strategy (Pierce method, C-score): **34.4 %**

Life strategy (Pierce method, S-score): **30.7 %**

Life strategy (Pierce method, R-score): **34.9 %**

Leaf

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

Leaf arrangement (phyllotaxis): **opposite**

Leaf shape: **simple - entire**

Stipules: **present**

Petiole: **present**

Leaf deciduousness in woody plants: **winter deciduous**

Functional leaf type in woody plants: **broad deciduous or semi-deciduous**

Flower

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

Flower colour: **brown**

Flower symmetry: **actinomorphic**
 Perianth type: **calyx and corolla**
 Perianth fusion: **free**
 Calyx fusion: **aposepalous**
 Inflorescence type: **flores solitarii, dichasium**
 Generative reproduction type: **allogamy**

Fruit, seed and dispersal

Fruit type: **dry fruit - capsule**
 Fruit colour: **red**
 Dispersal unit (diaspore): **seed**
 Dispersal strategy: **Cornus (mainly autochory and endozoochory)**
 Myrmecochory: **non-myrmecochorous (a)**

Belowground organs and clonality

Position of root buds: **lateral roots**
 Role of root buds in life-history of a plant: **additive**
 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 excluded) [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): **32**
 Ploidy level (x): **4**
 2C genome size [Mbp]: **601.1**
 1Cx monoploid genome size [Mbp]: **150.28**
 Genomic GC content: **40.9 %**

Taxon origin

Origin in the Czech Republic: **native**



Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **5x - semi-shade plant, only exceptionally occurring in full light, but usually at more than 10% of the diffuse radiation incident in an open area (generalist)**

Temperature indicator value: **6 - transition between values 5 and 7**

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: **-1.93**

Herb layer disturbance frequency indicator value: **-0.81**

Whole-community disturbance severity indicator value: **0.23**

Herb layer disturbance severity indicator value: **0.06**

Whole-community structure based disturbance indicator value: **0.11**

Herb layer structure-based disturbance indicator value: **0.2**

Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1B Siliceous cliffs and block fields: **1 - rare occurrence**

8 Dry grasslands

8A Hercynian dry grasslands on rock outcrops: **1 - rare occurrence**

8B Submediterranean dry grasslands on rock outcrops: **1 - rare occurrence**

8F Thermophilous forest fringe vegetation: **1 - rare occurrence**

11 Heathlands and scrub

11A Dry lowland to subalpine heathlands: **1 - rare occurrence**

11L Tall mesic and xeric shrub: **2 - optimum**

11N Low xeric scrub: **1 - rare occurrence**

11R Scrub and pioneer woodland of forests clearings: **1 - rare occurrence**

12 Forests

12C Oak-hornbeam forests: **2 - optimum**

12D Ravine forests: **2 - optimum**

12E Herb-rich beech forests: **1 - rare occurrence**

12F Limestone beech forests: **1 - rare occurrence**

12H Peri-Alpidic basiphilous thermophilous oak forests: **2 - optimum**

12I Sub-continental thermophilous oak forests: **2 - optimum**

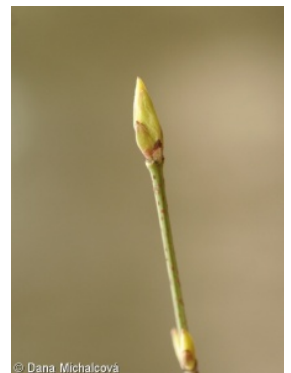
12J Acidophilous thermophilous oak forests: **2 - optimum**

12O Peri-Alpidic pine forests: **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: [LCA Quercion pubescenti-petraeae](#), [LCB Aceri tatarici-Quercion](#)

Diagnostic taxon of associations: [KBB02 Violo hirtae-Cornetum maris](#), [LBB04 Primulo veris-Carpinetum betuli](#), [LCA02 Lithospermo purpureocaerulei-Quercetum pubescentis](#), [LCA03 Euphorbio-Quercetum](#), [LCB01 Quercetum pubescenti-roboris](#)

Constant taxon

Constant taxon of associations: [LBB04 Primulo veris-Carpinetum betuli](#), [LCB01 Quercetum pubescenti-roboris](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.1**

Ecological specialization index for non-forest vegetation: **4.2**

Ecological specialization index for forest vegetation: **5.3**

Colonization ability

Index of colonization success (ICS): **1**

Index of colonization potential (ICP): **1**

Distribution and frequency

Continental degree: **7**

Distribution range extension along the continentality gradient: **2**

Elevational belt in the Czech Republic: **colline belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **110**

taxon.data.freq_in_quad: 275

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.3 %**

Occurrence frequency in vegetation plots with a cover above 5%: **10 %**

Occurrence frequency in vegetation plots with a cover above 25%: **3 %**

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

Mean percentage cover in vegetation plots: **4.1 %**

Maximum percentage cover in vegetation plots: **38 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **16**

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

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

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

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**