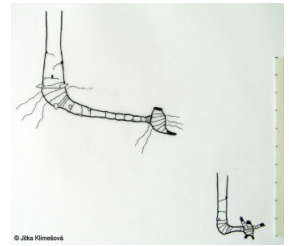
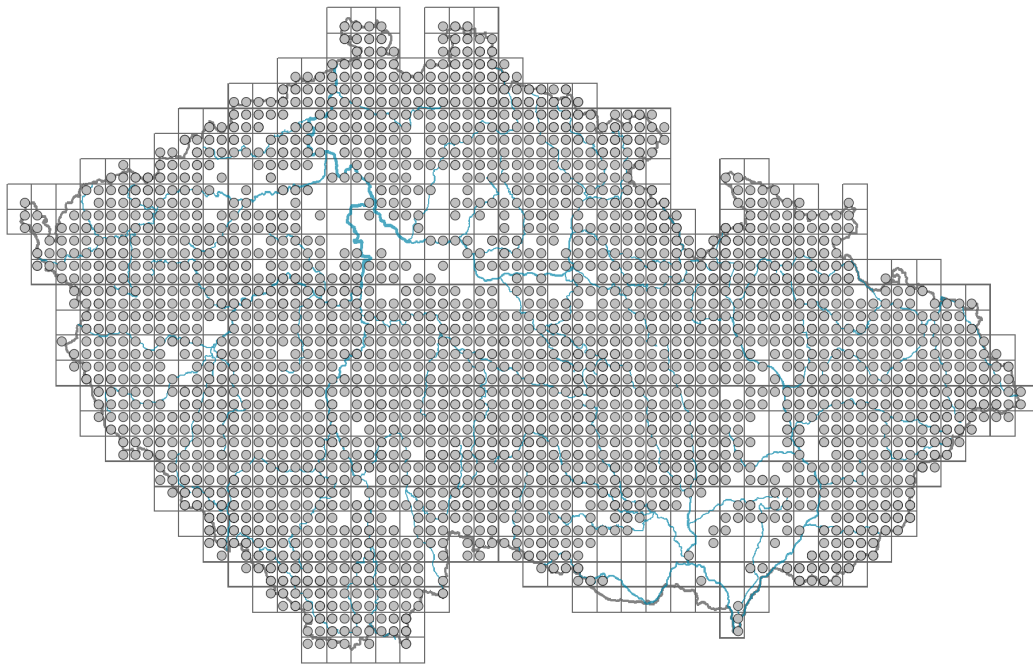


Senecio nemorensis agg.

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: **clonal herb**

Life form: **hemicryptophyte**

Life strategy: **C - competitor**

Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **both present and absent, absent**

Leaf life span: **summer green**

Leaf anatomy: **mesomorphic, hygromorphic**



Flower

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

Flowering phase: **8 Clematis vitalba-Galium sylvaticum (mid-summer)**

Flower colour: **yellow**

Flower symmetry: **actinomorphic, zygomorphic**

Perianth type: **calyx reduced, corolla present**



Perianth fusion: **fused**

Shape of the sympetalous corolla or syntepalous perianth: **ligulate, tubular**

Calyx fusion: **pappus**

Inflorescence type: **corymbothyrsus ex anthodiis compositus**

Dicliny: **gynomonoecious**

Generative reproduction type: **allogamy self-incompatibility**

Pollination syndrome: **insect-pollination**



Fruit, seed and dispersal

Fruit type: **dry fruit - achene/cypsela/samara**

Fruit colour: **brown**

Reproduction type: **by seed/spores and vegetatively**

Dispersal unit (diaspore): **fruit, infrutescence or its part**

Dispersal strategy: **Epilobium (mainly anemochory and autochory)**

Myrmecochory: **probably non-myrmecochorous nv**



Belowground organs and clonality

Shoot metamorphosis: **stolon, rhizome**

Storage organ: **stolon, rhizome**

Type of clonal growth organ: **hypogeogenous rhizome**

Freely dispersible organs of clonal growth: **absent**

Shoot life span (cyclicity): **monocyclic shoots prevailing**

Branching type of stem-derived organs of clonal growth: **sympodial**

Primary root: **absent**

Persistence of the clonal growth organ [year]: **1.7**

Number of clonal offspring: **4.3**

Lateral spreading distance by clonal growth [m]: **0.13**

Clonal index: **5**

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): **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): **20**

Depth of the belowground bud bank (root buds excluded) [cm]: **4**

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): **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): **20**

Depth of the belowground bud bank (root buds included) [cm]: **4**



Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Karyology

Chromosome number (2n): **40**

Ploidy level (x): **4**

2C genome size [Mbp]: **9686.81**

1Cx monoploid genome size [Mbp]: **2421.7**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

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

Temperature indicator value: **5 - moderate heat indicator, occurring from lowland to montane belt, mainly in submontane-temperate areas**

Moisture indicator value: **5 - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out**

Reaction indicator value: **5x - indicator of moderate acidity, occurring rarely in strongly acidic as well as in neutral to alkaline conditions (generalist)**

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: **-1.84**

Herb layer disturbance frequency indicator value: **-0.7**

Whole-community disturbance severity indicator value: **0.29**

Herb layer disturbance severity indicator value: **0.17**

Whole-community structure based disturbance indicator value: **0.14**

Herb layer structure-based disturbance indicator value: **0.21**

Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

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

2 Alpine and subalpine grasslands

2B Subalpine tall-forb and tall-grass vegetation: **2 - optimum**

4 Wetland and riverine herbaceous vegetation

4A Reed-beds of eutrophic still waters: **1 - rare occurrence**

4D Riverine reed vegetation: **1 - rare occurrence**

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

4J River gravel banks: **1 - rare occurrence**

4K Petasites fringes of montane brooks: **2 - optimum**

5 Vegetation of springs and mires

5A Hard-water springs with tufa formation: **1 - rare occurrence**



- 5B Lowland to montane soft-water springs: **1 - rare occurrence**
 5C Alpine and subalpine soft-water springs: **1 - rare occurrence**
 5E Acidic moss-rich fens and peatland meadows: **1 - rare occurrence**
 5F Transitional mires: **1 - rare occurrence**
 6 Meadows and mesic pastures
 6B Montane mesic meadows: **1 - rare occurrence**
 6E Wet Cirsium meadows: **1 - rare occurrence**
 6F Intermittently wet Molinia meadows: **1 - rare occurrence**
 6G Vegetation of wet disturbed soils: **1 - rare occurrence**
 7 Acidophilous grasslands
 7A Subalpine and montane acidophilous grasslands: **1 - rare occurrence**
 7B Submontane Nardus grasslands: **1 - rare occurrence**
 8 Dry grasslands
 8F Thermophilous forest fringe vegetation: **1 - rare occurrence**
 11 Heathlands and scrub
 11A Dry lowland to subalpine heathlands: **1 - rare occurrence**
 11D Subalpine acidophilous Pinus mugo scrub: **2 - optimum**
 11H Subalpine deciduous scrub: **2 - optimum**
 11I Willow carrs: **1 - rare occurrence**
 11J Willow galleries of loamy and sandy river banks: **1 - rare occurrence**
 11L Tall mesic and xeric shrub: **1 - rare occurrence**
 11R Scrub and pioneer woodland of forests clearings: **3 - dominant**
 12 Forests
 12A Alder carrs: **1 - rare occurrence**
 12B Alluvial forests: **2 - optimum**
 12C Oak-hornbeam forests: **2 - optimum**
 12D Ravine forests: **2 - optimum**
 12E Herb-rich beech forests: **2 - optimum**
 12F Limestone beech forests: **2 - optimum**
 12G Acidophilous beech forests: **2 - optimum**
 12H Peri-Alpidic basiphilous thermophilous oak forests: **1 - rare occurrence**
 12I Sub-continental thermophilous oak forests: **1 - rare occurrence**
 12J Acidophilous thermophilous oak forests: **1 - rare occurrence**
 12K Acidophilous oak forests: **1 - rare occurrence**
 12L Boreo-continental pine forests: **1 - rare occurrence**
 12O Peri-Alpidic pine forests: **1 - rare occurrence**
 12Q Peatland birch forests: **1 - rare occurrence**
 12R Acidophilous spruce forests: **2 - optimum**
 12S Basiphilous spruce forests: **2 - optimum**
 12T Robinia pseudacacia plantations: **1 - rare occurrence**
 12U Plantations of broad-leaved non-native trees: **1 - rare occurrence**
 12V Spruce plantations: **2 - optimum**
 12W Pine and larch plantations: **1 - rare occurrence**
 13 Anthropogenic vegetation
 13E Perennial nitrophilous herbaceous vegetation of mesic sites: **2 - optimum**
 13F Herbaceous vegetation of forests clearings and Rubus scrub: **4 - constant dominant**



Affinity to the forest environment

Affinity to the forest environment in Mesophyticum and Oreophyticum: **1.2 - taxon occurring mainly along forest edges and in forest openings, including forest roads and paths, windthrow sites, burnt sites and forest clearings**

Diagnostic taxon

Diagnostic taxon of classes: [LB *Carpino-Fagetea*](#)

Diagnostic taxon of alliances: [LBC *Fagion sylvaticae*](#)

Diagnostic taxon of associations: [ADE01 *Daphno mezerei-Dryopteridetum filicis-maris*](#), [LBA01 *Alnetum incanae*](#), [LBC04 *Athyrio distentifolii-Fagetum sylvaticae*](#), [LBC05 *Galio rotundifolii-Abietetum albae*](#)

Constant taxon

Constant taxon of classes: [AD *Mulgedio-Aconitetea*](#), [LB *Carpino-Fagetea*](#), [XE *Epilobietea angustifolii*](#)

Constant taxon of alliances: [ADA *Calamagrostion villosae*](#), [ADB *Calamagrostion arundinaceae*](#), [ADC *Salicion silesiacae*](#), [ADD *Adenostylion alliariae*](#), [ADE *Dryopterido filicis-maris-Athyrium distentifolii*](#), [LBA *Alnion incanae*](#), [LBC *Fagion sylvaticae*](#), [LBE *Luzulo-Fagion sylvaticae*](#), [LBF *Tilio platyphylli-Acerion*](#), [XEA *Fragarion vescae*](#)

Constant taxon of associations: [ADA02 *Crepido conyzifoliae-Calamagrostietum villosae*](#), [ADA03 *Violo sudeticae-Deschampsietum cespitosae*](#), [ADB01 *Bupleuro longifoliae-Calamagrostietum arundinaceae*](#), [ADC01 *Salici silesiacae-Betuletum carpaticae*](#), [ADC02 *Pado borealis-Sorbetum aucupariae*](#), [ADD01 *Ranunculo platanifolii-Adenostyletum alliariae*](#), [ADD03 *Trollio altissimi-Geranietum sylvatici*](#), [ADD04 *Laserpitio archangelicae-Dactylidetum glomeratae*](#), [ADD05 *Chaerophyllo hirsuti-Cicerbitetum alpinae*](#), [ADE01 *Daphno mezerei-Dryopteridetum filicis-maris*](#), [ADE02 *Adenostylo alliariae-Athyrietum distentifolii*](#), [KCA02 *Adenostylo alliariae-Pinetum mugo*](#), [LBA01 *Alnetum incanae*](#), [LBA02 *Piceo abietis-Alnetum glutinosae*](#), [LBA03 *Carici remotae-Fraxinetum excelsioris*](#), [LBA04 *Stellario nemorum-Alnetum glutinosae*](#), [LBC01 *Galio odorati-Fagetum sylvaticae*](#), [LBC02 *Mercuriali perennis-Fagetum sylvaticae*](#), [LBC04 *Athyrio distentifolii-Fagetum sylvaticae*](#), [LBC05 *Galio rotundifolii-Abietetum albae*](#), [LBE02 *Calamagrostio villosae-Fagetum sylvaticae*](#), [LBE03 *Luzulo-Abietetum albae*](#), [LBF02 *Mercuriali perennis-Fraxinetum excelsioris*](#), [LBF03 *Arunco dioici-Aceretum pseudoplatani*](#), [LFC02 *Athyrio distentifolii-Piceetum abietis*](#), [LFC03 *Equiseto sylvatici-Piceetum abietis*](#), [XDB02 *Petasitetum hybrido-kablikiani*](#), [XDC01 *Stachyo sylvaticae-Impatientetum noli-tangere*](#), [XDC03 *Arunco vulgaris-Lunarietum redivivae*](#), [XDC04 *Carici pendulae-Eupatorietum cannabini*](#), [XEA03 *Rubo idaei-Calamagrostietum arundinaceae*](#)

Dominant taxon

Dominant taxon of associations: [ADD03 *Trollio altissimi-Geranietum sylvatici*](#), [LBC05 *Galio rotundifolii-Abietetum albae*](#), [XDB02 *Petasitetum hybrido-kablikiani*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.5**

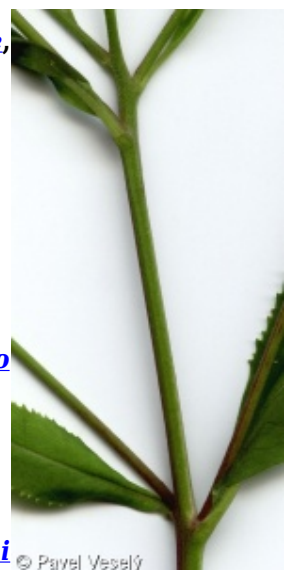
Ecological specialization index for non-forest vegetation: **3.7**

Ecological specialization index for forest vegetation: **5.1**

Distribution and frequency

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

Floristic region: **Europe**



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

Expansive taxon in the region: **Bohemian Thermophyticum, Bohemian Moravian Mesophyticum, Bohemian Moravian Oreophyticum, Carpathian Mesophyticum, Carpathian Oreophyticum**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 640

taxon.data.freq_in_quad: 2184

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **7.7 %**

Occurrence frequency in vegetation plots with a cover above 5%: **13.3 %**

Occurrence frequency in vegetation plots with a cover above 25%: **3.6 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0.9 %**

Mean percentage cover in vegetation plots: **4.8 %**

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: **48**

Number of narrow habitats in which the taxon has its optimum: **16**

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

Number of broad habitats in which the taxon has its optimum: **5**

