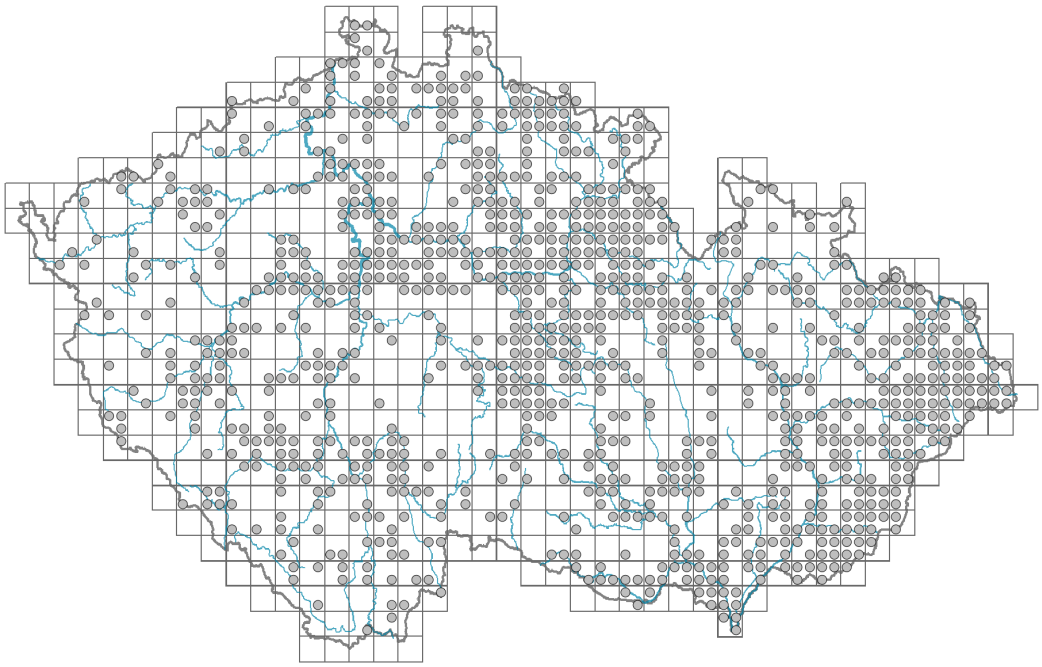
# *Rorippa sylvestris*

## 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]: **0.2–0.5**
Growth form: **clonal herb**
Life form: **hemicryptophyte (geophyte)**
Life strategy: **CS – competitor/stress-tolerator**
Life strategy (Pierce method based on leaf traits): **R/CR**
Life strategy (Pierce method, C-score): **34.6 %**
Life strategy (Pierce method, S-score): **0 %**
Life strategy (Pierce method, R-score): **65.4 %**

### Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **simple – pinnately divided**
Stipules: **absent**
Petiole: **present**
Leaf life span: **summer green**
Leaf anatomy: **mesomorphic**

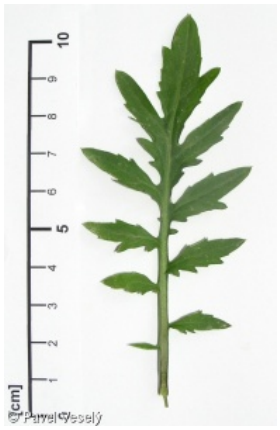
### Flower

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

Flowering phase: **6 Cornus sanguinea-Melica uniflora (start of early summer)**
Flower colour: **yellow**
Flower symmetry: **actinomorphic**
Perianth type: **calyx and corolla**
Perianth fusion: **free**
Calyx fusion: **aposepalous**
Inflorescence type: **racemus**
Dicliny: **synoecious**
Generative reproduction type: **facultative allogamy**
Pollination syndrome: **insect-pollination, selfing**

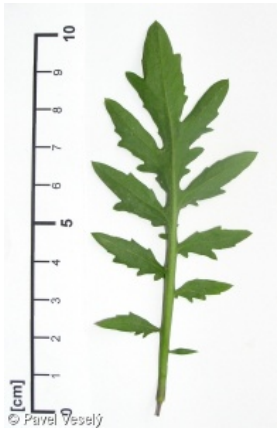

## Fruit, seed and dispersal

Fruit type: **dry fruit – silicula**
Fruit colour: **brown**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **seed**
Dispersal strategy: **Sparganium (mainly autochory and hydrochory)**
Myrmecochory: **non-myrmecochorous (b)**




## Belowground organs and clonality

Root metamorphosis: **root shoot**
Type of clonal growth organ: **root with adventitious buds**
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]: **4**
Number of clonal offspring: **3**
Lateral spreading distance by clonal growth [m]: **0.07**
Clonal index: **4**
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): **5**
Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **8**
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): **13**
Depth of the belowground bud bank (root buds exluded) [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): **17**
Number of buds per shoot at a depth greater than 10 cm (root buds included): **15**
Size of the belowground bud bank (root buds included): **37**
Depth of the belowground bud bank (root buds included) [cm]: **9**

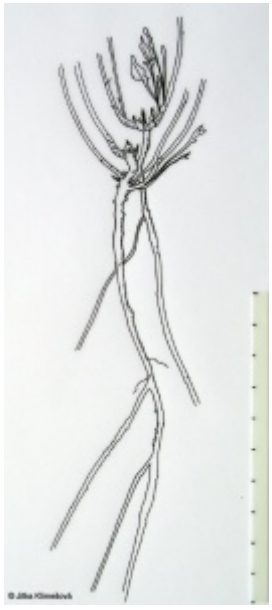

## Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## Karyology

Chromosome number (2n): **32 (40)**
Ploidy level (x): **4**
2C genome size [Mbp]: **827.71**
1Cx monoploid genome size [Mbp]: **206.93**
Genomic GC content: **36.9 %**



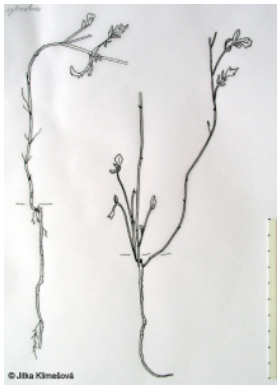
## Taxon origin

Origin in the Czech Republic: **native**

## 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: **6 – transition between values 5 and 7**
Moisture indicator value: **8 – transition between values 7 and 9**
Reaction indicator value: **7 – indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**
Nutrient indicator value: **7 – occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**
Salinity indicator value: **1 – salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**



### Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.45**
Herb layer disturbance frequency indicator value: **-0.31**
Whole-community disturbance severity indicator value: **0.57**
Herb layer disturbance severity indicator value: **0.59**
Whole-community structure based disturbance indicator value: **0.63**
Herb layer structure-based disturbance indicator value: **0.65**

## Habitat and sociology

### Occurrence in habitats

#### 4 Wetland and riverine herbaceous vegetation

4C Eutrophic vegetation of muddy substrata: **1 – rare occurrence**
4D Riverine reed vegetation: **2 – optimum**
4G Tall-sedge beds: **1 – rare occurrence**
4H Vegetation of low annual hygrophilous herbs: **2 – optimum**
4I Vegetation of nitrophilous annual hygrophilous herbs: **2 – optimum**
4J River gravel banks: **1 – rare occurrence**
4K Petasites fringes of montane brooks: **1 – rare occurrence**

#### 6 Meadows and mesic pastures

6C Pastures and park grasslands: **1 – rare occurrence**

6D Alluvial meadows of lowland rivers: **2 – optimum**
6G Vegetation of wet disturbed soils: **2 – optimum**

### 10 Saline vegetation

10I Inland saline meadows: **2 – optimum**

### 11 Heathlands and scrub

11J Willow galleries of loamy and sandy river banks: **1 – rare occurrence**
11R Scrub and pioneer woodland of forests clearings: **1 – rare occurrence**

### 13 Anthropogenic vegetation

13A Annual vegetation of ruderal habitats: **1 – rare occurrence**
13B Annual vegetation of arable land: **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 associations: **MAC02 *Cerastio dubii-Ranunculetum sardoi*, MAC03 *Pulicario vulgaris-Menthetum pulegii***

### Constant taxon

Constant taxon of associations: **MAC02 *Cerastio dubii-Ranunculetum sardoi*, MAC03 *Pulicario vulgaris-Menthetum pulegii*, VBD05 *Ranunculetum baudotii***

### Ecological specialization indices

Ecological specialization index for all vegetation types: **3.7**
Ecological specialization index for non-forest vegetation: **3.7**
Ecological specialization index for forest vegetation: **4.8**

### Colonization ability

Index of colonization success (ICS): **2**
Index of colonization potential (ICP): **2**
Optimum successional age [years]: **75**

## Distribution and frequency

Floristic zone: **northern temperate, southern temperate, submeridional**
Floristic region: **Europe**
Distribution range extension along the continentality gradient: **6**
Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt (montane belt)**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 478
taxon.data.freq_in_quad: 1005

### Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.5 %**
Occurrence frequency in vegetation plots with a cover above 5%: **7.7 %**
Occurrence frequency in vegetation plots with a cover above 25%: **0 %**
Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **2.9 %**
Maximum percentage cover in vegetation plots: **23 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **15**
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: **3**

## 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**