

# *Bistorta vivipara*

## Habitus and growth type

Plant height [m]: **0.14**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **15.41**

## Flower

Flowering period: **July-September**

## Fruit, seed and dispersal

Seed mass [mg]: **1.98**

Dispersal mode: **Local non-specific dispersal, Anthropochory**

Dispersal distance class: **1, 7**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

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

## Taxon origin

Origin in Europe: **Native**

## Ecology

### Environmental relationships

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Acidic**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.6**

Temperature indicator value: **2.2**

Moisture indicator value: **5.7**

Reaction indicator value: **4.7**

Nutrient indicator value: **1.8**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.14**

Disturbance frequency (herb layer): **1.38**  
 Disturbance severity: **0.29**  
 Disturbance severity (herb layer): **0.27**  
 Mowing frequency: **0.07**  
 Grazing pressure: **0.22**  
 Soil disturbance: **0.11**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [AB \(KOB\) \*Carici rupestris-Kobresietea bellardii\*](#), [CT \(TRI\) \*Juncetea trifidi\*](#), [QH \(ARC\) \*Matricario-Poetea arcticae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [Q45 Arctic-alpine rich fen](#), [R41 Snow-bed vegetation](#), [R42 Boreal and Arctic acidophilous alpine grassland](#), [R44 Arctic-alpine calcareous grassland](#), [S21 Subarctic and alpine dwarf Salix scrub](#), [U21 Boreal and Arctic siliceous scree and block field](#), [U25 Boreal and Arctic base-rich scree and block field](#), [U35 Boreal and Arctic base-rich inland cliff](#), [U52 Polar desert](#)

Constant species of EUNIS habitats: [Q45 Arctic-alpine rich fen](#), [R23 Mountain hay meadow](#), [R41 Snow-bed vegetation](#), [R42 Boreal and Arctic acidophilous alpine grassland](#), [R43 Temperate acidophilous alpine grassland](#), [R44 Arctic-alpine calcareous grassland](#), [S11 Shrub tundra](#), [S21 Subarctic and alpine dwarf Salix scrub](#), [S22 Alpine and subalpine ericoid heath](#), [S25 Subalpine and subarctic deciduous scrub](#), [U21 Boreal and Arctic siliceous scree and block field](#), [U25 Boreal and Arctic base-rich scree and block field](#), [U26 Temperate high-mountain base-rich scree and moraine](#), [U35 Boreal and Arctic base-rich inland cliff](#), [U52 Polar desert](#), [U61 Subarctic volcanic field](#)

### Broad habitat

Occurrence in broad habitats: **Spring, Mire, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Heathland, Scrub, Sparsely vegetated (incl. rock and scree), Synanthropic**

## Distribution

Continentality amplitude: **8**