

# *Carex bigelowii*

## Habitus and growth type

Plant height [m]: **0.16**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **19.99**

## Fruit, seed and dispersal

Seed mass [mg]: **0.67**

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

Dispersal distance class: **1**

## 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: **7.7**

Temperature indicator value: **2.7**

Moisture indicator value: **5.3**

Reaction indicator value: **1.7**

Nutrient indicator value: **2.3**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.36**

Disturbance frequency (herb layer): **1.45**

Disturbance severity: **0.28**

Disturbance severity (herb layer): **0.25**

Mowing frequency: **0.02**

Grazing pressure: **0.24**

Soil disturbance: **0.12**

## Habitat and sociology

### EUNIS habitat

Diagnostic species of EUNIS habitats: [R42 Boreal and Arctic acidophilous alpine grassland](#), [S11 Shrub tundra](#), [U21 Boreal and Arctic siliceous scree and block field](#), [U25 Boreal and Arctic base-rich scree and block field](#), [U52 Polar desert](#)

Constant species of EUNIS habitats: [R42 Boreal and Arctic acidophilous alpine grassland](#), [S11 Shrub tundra](#), [S12 Moss and lichen tundra](#), [U21 Boreal and Arctic siliceous scree and block field](#), [U25 Boreal and Arctic base-rich scree and block field](#), [U52 Polar desert](#), [U61 Subarctic volcanic field](#)

Dominant species of EUNIS habitats: [U52 Polar desert](#)

### Broad habitat

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