

# ***Dianthus alpinus***

## **Habitus and growth type**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## **Fruit, seed and dispersal**

Seed mass [mg]: **0.58**

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

Dispersal distance class: **2**

## **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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### **Ellenberg-type indicator values**

Light indicator value: **9**

Temperature indicator value: **1.5**

Moisture indicator value: **3**

Reaction indicator value: **8**

Nutrient indicator value: **3**

Salinity indicator value: **0**

### **Disturbance indicator values**

Disturbance frequency: **1.5**

Disturbance frequency (herb layer): **1.5**

Disturbance severity: **0.32**

Disturbance severity (herb layer): **0.32**

Mowing frequency: **0.06**

Grazing pressure: **0.33**

Soil disturbance: **0.12**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CU \(SES\) Elyno-Seslerietea](#)

### Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline)**