

Dianthus barbatus

Habitus and growth type

Plant height [m]: **0.39**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **16.99**

Flower

Flowering period: **March-July**

Fruit, seed and dispersal

Seed mass [mg]: **0.82**

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

Dispersal distance class: **2, 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: **Slightly acidic to near-neutral**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.6**

Temperature indicator value: **4.6**

Moisture indicator value: **5.1**

Reaction indicator value: **5**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.3**

Disturbance frequency (herb layer): **1.49**

Disturbance severity: **0.58**

Disturbance severity (herb layer): **0.28**

Mowing frequency: **0.19**

Grazing pressure: **0.19**

Soil disturbance: **0.18**

Habitat and sociology

Broad habitat

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

Distribution

Continentality: **6**

Continentality amplitude: **2**