

# *Potentilla crantzii*

## Habitus and growth type

Plant height [m]: **0.14**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Spinescence: **not spinescent**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **14.97**

## Flower

Flowering period: **May-August**

## Fruit, seed and dispersal

Seed mass [mg]: **0.54**

Dispersal mode: **Myrmecochory**

Dispersal distance class: **3**

## 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: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.4**

Temperature indicator value: **2.9**

Reaction indicator value: **7.7**

Nutrient indicator value: **1.8**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.25**

Disturbance frequency (herb layer): **1.61**  
Disturbance severity: **0.36**  
Disturbance severity (herb layer): **0.33**  
Mowing frequency: **0.13**  
Grazing pressure: **0.29**  
Soil disturbance: **0.12**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [AB \(KOB\) \*Carici rupestris-Kobresietea bellardii\*](#), [CU \(SES\) \*Elyno-Seslerietea\*](#), [DA \(FES\) \*Festuco-Brometea\*](#), [KF \(LAM\) \*Lamio tomentosii-Chaerophylletea humilis\*](#)

### EUNIS habitat

Constant species of EUNIS habitats: [R45 Alpine and subalpine calcareous grassland of the Balkans and Apennines](#), [U21 Boreal and Arctic siliceous scree and block field](#), [U25 Boreal and Arctic base-rich scree and block field](#), [U3A Temperate ultramafic inland cliff](#)

### Broad habitat

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

## Distribution

Continentality: **6**  
Continentality amplitude: **5**