

# ***Knautia purpurea***

## **Habitus and growth type**

Plant height [m]: **0.5**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## **Flower**

Flowering period: **May-August**

## **Fruit, seed and dispersal**

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: **7.5**

Temperature indicator value: **5.7**

Moisture indicator value: **4**

Reaction indicator value: **8**

Nutrient indicator value: **1.5**

Salinity indicator value: **0**

### **Disturbance indicator values**

Disturbance frequency: **0.34**

Disturbance frequency (herb layer): **1.55**

Disturbance severity: **0.58**

Disturbance severity (herb layer): **0.27**

Mowing frequency: **0.17**

Grazing pressure: **0.29**

Soil disturbance: **0.14**

## **Habitat and sociology**

### Syntaxon

Diagnostic species of phytosociological classes: [DA \(FES\) Festuco-Brometea](#), [FB \(ROS\) Ononido-Rosmarinetea](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [R14 Perennial rocky grassland of the Italian Peninsula](#)

Constant species of EUNIS habitats: [R14 Perennial rocky grassland of the Italian Peninsula](#)

### Broad habitat

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