Holcus lanatus

Habitus and growth type

Plant height [m]: **0.53**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **30.7**

Flower

Flowering period: **April-July**

Fruit, seed and dispersal

Seed mass [mg]: **0.39**
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**
Nutrient relationship: **Mesotrophic**
Salinity relationship: **Slightly saline or brackish**

Ellenberg-type indicator values

Light indicator value: **7.2**
Reaction indicator value: **5.5**
Nutrient indicator value: **4.7**
Salinity indicator value: **0.5**

Disturbance indicator values

Disturbance frequency: **1.23**
Disturbance frequency (herb layer): **1.91**
Disturbance severity: **0.51**

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Disturbance severity (herb layer): **0.47**
Mowing frequency: **0.82**
Grazing pressure: **0.29**
Soil disturbance: **0.29**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CM (MOL) *Molinio-Arrhenatheretea*, IA (ALN) *Alnetea glutinosae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **R21 Mesic permanent pasture of lowlands and mountains, R22 Low and medium altitude hay meadow, R24 Iberian summer pasture (vallicar), R35 Moist or wet mesotrophic to eutrophic hay meadow, R37 Temperate and boreal moist or wet oligotrophic grassland**

Constant species of EUNIS habitats: **MA222 Atlantic upper saltmarsh, N18 Atlantic and Baltic coastal Empetrum heath, N19 Atlantic coastal Calluna and Ulex heath, N1A Atlantic and Baltic coastal dune scrub, N1D Atlantic and Baltic broad-leaved coastal dune forest, N1H Atlantic and Baltic moist and wet dune slack, N34 Atlantic and Baltic soft sea cliff, R1S Heavy-metal grassland in Western and Central Europe, R21 Mesic permanent pasture of lowlands and mountains, R22 Low and medium altitude hay meadow, R23 Mountain hay meadow, R24 Iberian summer pasture (vallicar), R31 Mediterranean tall humid inland grassland, R33 Mediterranean short moist grassland of mountains, R34 Submediterranean moist meadow, R35 Moist or wet mesotrophic to eutrophic hay meadow, R36 Moist or wet mesotrophic to eutrophic pasture, R37 Temperate and boreal moist or wet oligotrophic grassland, R54 Pteridium aquilinum vegetation, R55 Lowland moist or wet tall-herb and fern fringe, S32 Temperate Rubus scrub, S38 Temperate forest clearing scrub, S92 Salix fen scrub**

Dominant species of EUNIS habitats: **R22 Low and medium altitude hay meadow**

Broad habitat

Occurrence in broad habitats: **Coastal saltmarsh, Coastal cliff, Aquatic, Wetland, Mire, Grassland (non-alpine, non-saline), Heathland, Scrub, Forest**

Distribution

Continentality: **4**
Continentality amplitude: **4**

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