|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Biomass and diversity** |   |   |   |   |
|  |  |  |  |  |  |
| **column heading** | **explanation** | **unit** | **notes** |  |  |
| block | experimental block |  | 1-5 |  |  |
| treatment | sowing treatment |  | HD = high-diversity sown; LD = low-diversity sown, NC = natural colonization |
| year | experimental year |  | 1997-2012 |  |
| biomass | total plant biomass | g/m2 |  |  |  |
| specrich | plant species richness | number of plant species per plot |
| diversity | Shannon diversity index | H' |  |  |  |
| FRic | Functional Richness |  |  |  |  |
| FDiv | Functional Divergence |  |  |  |  |
| SLA | community weighted mean of specific leaf area | mm2/mg |  |  |  |
| LDMC | community weighted mean of leaf dry matter content | mg/g |  |  |  |
| leafmass | community weighted mean of leaf mass | mg |  |  |  |
| leafsize | community weighted mean of leaf size | mm2 |  |  |  |
| canopyheight | community weighted mean of canopy height | m |  |  |  |
|  |  |  |  |  |  |
| **Database trait values** |  |  |  |  |  |
|  |  |  |  |  |  |
| **column heading** | **explanation** | **unit** | **notes** |  |  |
| species | name of plant species |  |  |  |  |
| CH\_av | canopy height | m |  |  |  |
| SLA | Specific Leaf Area | mm2/mg | SLAs higher than 1000 mm2/mg were considered as outliers |
| LDMC | Leaf Dry Matter Content | mg/g |  |  |  |
| Leaf mass |  | mg |  |  |  |
| Leaf size |  | mm2 |  |  |  |
|  |  |  |  |  |  |
| **Measured trait values** |   |   |   |   |
|  |  |  |  |  |  |
| **column heading** | **explanation** | **unit** | **notes** |  |  |
| block | experimental block |  | 1-5 |  |  |
| treatment | sowing treatment |  | HD = high-diversity sown; LD = low-diversity sown, NC = natural colonization |
| indiv | ID for individual plant that was measured |  | A-J |  |  |
| Tan\_m | height of Tanacetum plants | m |  |  |  |
| Tan\_mg | dry weight of Tanacetum leaves | mg |  |  |  |
| Tan\_mm | surface area of Tanacetum leaves | mm2 |  |  |  |
| SLA\_Tan | specific leaf area of Tanacetum leaves | mm2/mg |  |  |  |
| dwPlan | height of Plantago plants | m |  |  |  |
| Plan\_mg | dry weight of Plantago leaves | mg |  |  |  |
| Plan\_mm | surface area of Plantago leaves | mm2 |  |  |  |
| SLA\_Plan | specific leaf area of Plantago leaves | mm2/mg |  |  |  |
| dwHolc | height of Holcus plants | m |  |  |  |
| Holc\_mg | dry weight of Holcus leaves | mg |  |  |  |
| Holc\_mm | surface area of Holcus leaves | mm2 |  |  |  |
| SLA\_Holc | specific leaf area of Holcus leaves | mm2/mg |  |  |  |
| dwFest | height of Festuca plants | m |  |  |  |
| Fest\_mg | dry weight of Festuca leaves | mg |  |  |  |
| Fest\_mm | surface area of Festuca leaves | mm2 |  |  |  |
| SLA\_Fest | specific leaf area of Festuca leaves | mm2/mg |  |  |  |
| dwClin | height of Clinopodium plants | m |  |  |  |
| Clin\_mg | dry weight of Clinopodium leaves | mg |  |  |  |
| Clin\_mm | surface area of Clinopodium leaves | mm2 |  |  |  |
| SLA\_Clin | specific leaf area of Clinopodium leaves | mm2/mg |  |  |  |