

Site	Stubai (S) – study site location (non-drought-adapted vegetation)	Matsch/Mazia (M) – transplant origin (drought-adapted vegetation)
Municipality	Neustift im Stubaital, Wipptal, Austria	Mals/Malles, Vinschgau, Italy
Elevation/altitude (m a.s.c.)	970	1570
Longitude, latitude	47°07'05" N, 11°19'17" E	46°41'19" N, 10°34'42" E
Average annual temperature (°C)	6.5	6.6
Average annual precipitation (mm)	1097.0	526.7
Growing season length (no. of days with average temperature of at least 5 °C)	224	190
Land use	hay meadow, three cuts yr <sup>-1</sup> fertilized with cow dung	hay meadow, two cuts yr <sup>-1</sup> / fertilized with cow dung
Soil type	gleyed Cambisol (A-Bv-Go)	Cambisol (Ah-Bv-C)
Soil classification	loamy sand to sandy silt	loam to sandy loam

Soil physical parameters in different soil depth

	0.05 m	0.15 m	0.25 m	0.05 m	0.15 m	0.25 m
Soil texture (%)						
Sand	31	31	34	25	34	40
Silt	58	63	61	43	45	43
Clay	11	6	6	32	21	17
Soil organic matter content (%)	3.6	1.3	0.7	7.4	3.9	2.3
Plant-available water (vol %)	32	39	39	34	33	27
Phytosociological classification	Poo trivialis – Alopecuretum pratensis (Regel 1925)			Ranunculo bulbosi – Arrhenatherum (Ellmauer)		
Species inventory (responsible for 90 % of total plant cover in the lysimeter)	<i>Achillea millefolium</i> , <i>Carum carvi</i> , <i>Pimpinella major</i> , <i>Poa trivialis</i> , <i>Ranunculus acris</i> , <i>Rumex acetosa</i> , <i>Taraxacum officinale</i> , <i>Trifolium pratense</i>			<i>Achillea millefolium</i> , <i>Anthoxanthum odoratum</i> , <i>Anthriscus sylvestris</i> , <i>Carum carvi</i> , <i>Festuca rubra</i> , <i>Leontodon hispidus</i> , <i>Lotus corniculatus</i> , <i>Poa trivialis</i> , <i>Primula veris</i> , <i>Taraxacum officinale</i> , <i>Trifolium montanum</i> , <i>Trifolium pratense</i> , <i>Veronica officinalis</i>		
Abundance of functional groups (%, mean ± SD)	graminoids 14.2 ± 5.5	forbs 67.8 ± 10.2	legumes 14.1 ± 9.0	graminoids 49.2 ± 25.1	forbs 28.3 ± 20.1	legumes 18.8 ± 17.9