

Supplemental data

Table S1 Plant taxa and number of diaspores found in the sheep fur using three different methods: “whole-coat method” (WCM, $N = 10$), “part-of-the-coat method” (PCM; $N = 5$) and “seedling emergence method” (SEM; $N = 6$) and the Emergent Groups (EG1-EG5, Table 2) based on 7 functional diaspore-traits influencing diaspore attachment to the sheep; Species are sorted by falling abundance according to the whole coat method results.

Taxa	Emergent group (EG1-5)	Number of diaspores recorded			Cumulative number of diaspores	Frequency of species on pastures
		WCM	PCM	SEM		
<i>Trifolium incarnatum</i>	EG3	4989	.	47	5036	ab
<i>Dactylis glomerata</i>	EG4	3095	10	.	3105	II [†]
<i>Bromopsis erecta</i>	EG4	2860	99	.	2959	III
<i>Festuca rupicola</i>	EG4	1422	.	10	1432	III
<i>Arrhenatherum elatius</i>	EG2	1054	1	.	1055	II [†]
<i>Medicago lupulina</i>	EG5	900	.	15	915	II
<i>Trifolium pratense</i>	EG3	698	.	13	711	II [†]
<i>Festuca rubra</i>	EG4	661	11	.	672	II
<i>Koeleria pyramidata</i>	EG4	611	.	.	611	III
<i>Poa pratensis</i>	EG4	561	.	10	571	II [†]
<i>Festuca pratensis</i>	EG4	484	14	13	511	II
<i>Poa nemoralis</i>	EG4	497	.	6	503	I
<i>Phleum pratense</i>	EG4	458	.	.	458	I [†]
<i>Brachypodium pinnatum</i>	EG2	401	.	.	401	II [†]
<i>Knautia illyrica</i>	EG5	322	.	.	322	III
<i>Carlina acaulis</i>	EG3	287	3	4	294	II
<i>Salvia pratensis</i>	EG1	278	1	.	279	III
<i>Plantago major</i>	EG3	257	.	.	257	ab
<i>Trifolium repens</i>	EG3	241	.	.	241	II [†]
<i>Arenaria serpyllifolia</i>	EG5	213	.	.	213	I [†]
<i>Poa trivialis</i>	EG4	162	.	.	162	I [†]
<i>Trifolium montanum</i>	EG3	162	.	.	162	II
<i>Bromus hordeaceus</i>	EG4	155	1	.	156	I [†]
<i>Anthyllis vulneraria</i>	EG4	150	.	.	150	III
<i>Achillea millefolium</i>	EG3	127	.	.	127	I [†]
<i>Anthoxanthum odoratum</i>	EG3	121	.	.	121	II
<i>Helictotrichon pubescens</i>	EG4	114	3	.	117	I
<i>Hordeum vulgare</i>	EG1	105	.	8	113	ab
<i>Veronica arvensis</i>	EG4	102	.	.	102	I
<i>Anemone nemorosa</i>	EG4	80	9	.	89	ab

Taxa	Number of diaspores recorded					Frequency of species on pastures
	Emergent group (EG1-5)	WCM	PCM	SEM	Cumulative number of diaspores	
<i>Phleum phleoides</i>	EG4	88	.	.	88	I
<i>Bromus racemosus</i>	EG4	81	3	.	84	ab
<i>Taraxacum officinale</i> s.lat.	EG4	68	.	7	75	I [†]
<i>Scorzonera villosa</i>	EG2	66	6	.	72	III
<i>Trifolium alpestre</i>	EG3	67	1	.	68	II
<i>Plantago media</i>	EG3	63	.	2	65	III
<i>Lolium perenne</i>	EG4	62	2	.	64	ab
<i>Danthonia alpina</i>	EG4	49	13	.	62	I
<i>Lotus corniculatus</i>	EG1	59	.	.	59	II [†]
<i>Carduus nutans</i>	EG5	55	.	.	55	I
<i>Elytrigia repens</i>	EG2	31	.	22	53	I
<i>Centaurea jacea</i>	EG3	51	.	.	51	II
<i>Geum urbanum</i>	EG4	36	15	.	51	ab
<i>Medicago minima</i>	EG2	45	.	.	45	I
<i>Luzula campestris</i>	EG3	41	.	.	41	ab
<i>Festuca arundinacea</i>	EG4	38	1	.	39	ab
<i>Vicia hirsuta</i>	EG5	39	.	.	39	I
<i>Sanguisorba minor</i>	EG2	37	.	.	37	III
<i>Carex flacca</i>	EG2	22	.	13	35	III
<i>Ranunculus bulbosus</i>	EG5	33	.	.	33	III
<i>Cynosurus cristatus</i>	EG4	16	.	16	32	I
<i>Gladiolus illyricus</i>	EG1	.	24	.	24	I
<i>Vicia cracca</i>	EG1	24	.	.	24	I
<i>Arctium lappa</i>	EG2	21	1	1	23	ab
<i>Peucedanum oreoselinum</i>	EG2	18	.	.	18	I
<i>Stachys recta</i>	EG3	2	16	.	18	I
<i>Trifolium campestre</i>	EG3	18	.	.	18	I
<i>Veronica officinalis</i>	EG4	16	.	.	16	I
<i>Koeleria lobata</i>	EG4	15	.	.	15	II
<i>Molinia arundinacea</i>	EG2	15	.	.	15	ab
<i>Trisetum flavescens</i>	EG3	15	.	.	15	I
<i>Ranunculus acris</i>	EG5	13	.	.	13	I
<i>Agrostis tenuis</i>	EG2	12	.	.	12	I
<i>Zea mays</i>	EG1	12	.	.	12	ab
<i>Galium odoratum</i>	EG5	2	9	.	11	ab
<i>Elytrigia intermedia</i>	EG4	10	.	.	10	I
<i>Teucrium montanum</i>	EG3	8	.	.	8	II

Taxa	Number of diaspores recorded					Frequency of species on pastures
	Emergent group (EG1-5)	WCM	PCM	SEM	Cumulative number of diaspores	
<i>Veronica chamaedrys</i>	EG5	8	.	.	8	I
<i>Coronila vaginalis</i>	EG5	7	.	.	7	I'
<i>Aegopodium podagraria</i>	EG1	.	6	.	6	ab
<i>Asperula cynanchica</i>	EG1	6	.	.	6	III
<i>Helianthemum ovatum</i>	EG4	5	.	.	5	II
<i>Holcus lanatus</i>	EG1	5	.	.	5	I
<i>Onobrychis viciifolia</i>	EG2	5	.	.	5	I
<i>Briza media</i>	EG1	4	.	.	4	II
<i>Hippocrepis comosa</i>	EG1	4	.	.	4	II
<i>Linum catharticum</i>	EG1	4	.	.	4	I
<i>Torilis japonica</i>	EG5	4	.	.	4	ab
<i>Alopecurus pratensis</i>	EG4	3	.	.	3	I
<i>Bupleurum exaltatum</i>	EG2	.	3	.	3	I
<i>Galium verum</i>	EG1	3	.	.	3	II
<i>Melilotus officinalis</i>	EG5	3	.	.	3	ab
<i>Pinus nigra</i>	EG2	2	1	.	3	ab
<i>Plantago lanceolata</i>	EG3	3	.	.	3	I'
<i>Ranunculus sardous</i>	EG5	3	.	.	3	ab
<i>Dorycnium germanicum</i>	EG3	2	.	.	2	I
<i>Heracleum sphondylium</i>	EG2	2	.	.	2	ab
<i>Knautia drymeia</i>	EG4	2	.	.	2	ab
<i>Ranunculus repens</i>	EG5	2	.	.	2	ab
<i>Acer campestre</i>	EG1	1	.	.	1	ab
<i>Anemone ranunculoides</i>	EG4	1	.	.	1	ab
<i>Carduus acanthoides</i>	EG5	1	.	.	1	ab
<i>Carduus pycnocephalus</i>	EG5	1	.	.	1	I
<i>Centaurea rupestris</i>	EG2	1	.	.	1	I'
<i>Daucus carota</i>	EG5	1	.	.	1	I
<i>Dianthus sylvestris subsp. tergestinus</i>	EG2	1	.	.	1	I
<i>Galium aparine</i>	EG5	1	.	.	1	ab
<i>Galium mollugo</i>	EG5	1	.	.	1	I
<i>Gentiana verna subsp. tergestina</i>	EG3	1	.	.	1	I
<i>Leontodon hispidus</i>	EG2	1	.	.	1	I
<i>Luzula luzuloides</i>	EG3	1	.	.	1	ab
<i>Mercurialis perennis</i>	EG1	1	.	.	1	ab
<i>Polygonum aviculare</i>	EG1	1	.	.	1	ab
<i>Rhinanthus minor</i>	EG1	1	.	.	1	I'

Taxa	Number of diaspores recorded					Frequency of species on pastures
	Emergent group (EG1-5)	WCM	PCM	SEM	Cumulative number of diaspores	
<i>Silene nutans</i>	EG3	1	.	.	1	I'
<i>Silene vulgaris</i>	EG3	1	.	.	1	I'
<i>Stellaria holostea</i>	EG3	1	.	.	1	ab
Σ		22,910	253	187	23,350	

III, very frequent in pastures.

II, moderately frequent in pastures.

I, rare on the pastures.

ab, absent in pastures, species of the surrounding area.

t, also common in the surrounding area.