

**Appendix 1:** Species composition and seed densities (seeds/m<sup>2</sup>) in plant material samples from different treatment strips. F = frequency in samples (n = 8); Total = total number of seedlings recorded in the samples; Max = Maximum seed density per m<sup>2</sup>.

Strip	I		III		IV		VIII				
Sample	a	b	a	b	a	b	a	b	F	Total	Max
Number of plant material species	22	28	17	15	26	22	25	22			
Total number of species	41	48	31	38	51	46	54	51			
Plant material seeds n / m <sup>2</sup>	24019	993	551	1143	2125	1378	1508	607			
Plant material seeds g / m <sup>2</sup>	3.83	0.84	0.11	0.15	1.10	0.27	1.31	0.27			
Other seeds n / m <sup>2</sup>	372	213	192	262	723	1187	1303	2340			
% of other seeds / m <sup>2</sup>	2	18	26	19	25	46	46	79			
Total seeds / m <sup>2</sup>	24390	1206	743	1404	2848	2565	2812	2947			
<i>Pseudolysimachion longifolium</i>	19899	27	18	202	1335	343	300	10	8	13280	19899
<i>Arabis nemorensis</i>	32	82	2	23	52	828	857	205	8	1248	857
<i>Agrostis stolonifera</i> agg.	72	20	253	202	50	38	12	187	8	500	253
<i>Inula salicina</i>	7	95	118	670	27		3	15	7	561	670
<i>Galium wirtgenii</i>	17	85		13	42	5	10	13	7	111	85
<i>Poa angustifolia</i>		7		2	35	38	52	73	6	124	73
<i>Serratula tintoria</i>	3	13	33	8	7	3			6	41	33
<i>Rumex crispus</i>	20				102	17	42	5	5	111	102
<i>Centaurea jacea</i>		43			10	25	38	5	5	73	43
<i>Potentilla reptans</i>	15	33			17	27		5	5	58	33
<i>Lathyrus pratensis</i>	3				52	3	7	5	5	42	52
<i>Carex spicata</i>		15			8	7	12	22	5	38	22
<i>Achillea ptarmica</i>	1131				258	5	45		4	864	1131
<i>Festuca rubra</i>					17	13	2	12	4	26	17
<i>Leucanthemum vulgare</i>					20	3	7	3	4	20	20
<i>Festuca arundinacea</i>	3				2	3		10	4	11	10
<i>Sanguisorba officinalis</i>	5				2		3	2	4	7	5
<i>Prunella vulgaris</i>		2	2	2				2	4	4	2
<i>Daucus carota</i>	2412	383	2						3	1678	2412
<i>Poa palustris</i>					7	2	8		3	10	8
<i>Succisa pratensis</i>		2	12	3					3	10	12
<i>Trifolium repens</i>	3				3	7			3	8	7
<i>Alopecurus pratensis</i>					3	3	3		3	6	3
<i>Allium angulosum</i>	7	2	2						3	6	7
<i>Ajuga reptans</i>						2	3	2	3	4	3
<i>Deschampsia cespitosa</i>			2					2	2	3	2
<i>Linaria vulgaris</i>		108		2					2	66	108
<i>Calamagrostis epigeios</i>		8	55						2	38	55
<i>Ranunculus repens</i>					25	2			2	16	25
<i>Scutellaria galericulata</i>			13	3					2	10	13
<i>Holcus lanatus</i>					10		5		2	9	10
<i>Molinia caerulea</i> agg.			7	8					2	9	8
<i>Hypericum perforatum</i>					12	2			2	8	12
<i>Carex praecox</i>								10	3	8	10
<i>Silene flos-cuculi</i>	2							10	2	7	10
<i>Silaum silaus</i>		10							2	7	10
<i>Senecio erucifolius</i>	2	8							2	6	8
<i>Carex tomentosa</i>		3							2	3	3
<i>Viola persicifolia</i>			2	2					2	2	2
<i>Selinum carvifolia</i>	370								1	222	370
<i>Peucedanum officinale</i>								73	1	44	73
<i>Lysimachia vulgaris</i>			25						1	15	25
<i>Securigera varia</i>					23				1	14	23
<i>Primula veris</i>								23	1	14	23
<i>Cnidium dubium</i>		13							1	8	13
<i>Iris spuria</i>		12							1	7	12
<i>Pastinaca sativa</i>	10								1	6	10
<i>Agrimonia eupatoria</i>					7				1	4	7
<i>Inula britannica</i>		7							1	4	7
<i>Linum catharticum</i>		5							1	3	5
<i>Stachys palustris</i>			5						1	3	5
<i>Phalaris arundinacea</i>	3								1	2	3
<i>Lepidium campestre</i>		3							1	2	3
<i>Silene alba</i>					2				1	1	2
<i>Lotus corniculatus</i>						2			1	1	2
<i>Symphytum officinale</i>								2	1	1	2
<i>Vicia cracca</i>								2	1	1	2
<i>Valeriana pratensis</i>								2	1	1	2
<i>Trifolium pratense</i>	2								1	1	2
<i>Thalictrum flavum</i>	2								1	1	2
<i>Bellis perennis</i>		2							1	1	2
<i>Lythrum salicaria</i>		2							1	1	2
<i>Veronica teucrium</i>		2							1	1	2
<i>Juncus inflexus</i>			2						1	1	2
<i>Iris sibirica</i>				2					1	1	2
<i>Potentilla erecta</i>				2					1	1	2
<i>Carex otrubae</i>		2							1	1	2

