

Ecography

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Supplementary material

Appendix 1. Summarised frequencies of all forb species found in the inventory squares, 10 squares with nine 0.1 × 0.1 m sections per 250 m of transect, during the two inventory occasions along transects in the 16 surveyed landscapes. Data is separated by the two field pairs (field pair 1 – local farming practice matched landscape farming practice; field pair 2 – separated local and landscape farming practices), the landscape type (organic = high proportion of organic arable land in the surrounding landscape; conventional = low proportion of organic arable land) and local farming practice (organic = field border adjacent to organically managed field; conventional = field border adjacent to conventionally managed field). Transect length in field pair 1 is 500 m per landscape and combination of local and landscape farming practice and 250 m per landscape and combination in field pair 2. The forb species are classified as field weeds (group = FW) using Fogelfors (1989), and strongly declining field weed species (group = D) and highly herbicide (MCPA) sensitive species (group = H) according to Fogelfors (1979).

Group(s)	Forb species	Field pair 1				Field pair 2				Total frequency
		Landscape type		Landscape type		Landscape type		Landscape type		
		Local farming practice	Organic	Conventional	Organic	Conventional	Organic	Conventional	Organic	
FW	<i>Galium aparine</i> L.		176	370	80	221	58	219	1124	
FW	<i>Artemisia vulgaris</i> L.		333	78	123	151	140	118	943	
	<i>Anthriscus sylvestris</i> (L.) Hoffm.		77	269	45	69	81	151	692	
FW/D	<i>Cirsium arvense</i> (L.) Scop.		254	90	90	42	109	97	682	
FW	<i>Fallopia convolvulus</i> (L.) A. Löve		289	64	82	140	48	37	660	
FW	<i>Tripleurospermum perforatum</i> (Mérat) Lainz		169	131	97	86	10	97	590	
FW	<i>Achillea millefolium</i> L.		88	170	31	22	178	51	540	
	<i>Urtica dioica</i> L.		104	133	35	84	73	95	524	
FW	<i>Lapsana communis</i> L.		114	79	58	139	77	45	512	
FW/D/H	<i>Chenopodium album</i> L.		300	42	73	31	38	14	498	
	<i>Aegopodium podagraria</i> L.		7	349	8	22	23	61	470	
FW	<i>Taraxacum</i> spp. F. H. Wigg. (group)		175	88	49	31	94	29	466	
FW	<i>Equisetum arvense</i> L.		64	178	99	75	41	6	463	
FW	<i>Stellaria media</i> (L.) Vill.		134	36	106	76	72	28	452	
	<i>Lamium hybridum</i> Vill.		232	45	45	60	34	3	419	
FW	<i>Viola arvensis</i> Murr.		147	100	26	84	13	9	379	
FW	<i>Myosotis arvensis</i> (L.) Hill		110	72	27	59	33	22	323	
	<i>Trifolium repens</i> L.		97	14	80	11	112	2	316	
FW	<i>Galeopsis tetrahit</i> L.		69	25	51	137	3	13	298	
H	<i>Vicia cracca</i> L.		58	23	66	44	80	14	285	
FW	<i>Sonchus arvensis</i> L.		58	1	144	4	32	0	239	
FW	<i>Veronica persica</i> Poir.		37	37	19	84	54	4	235	
FW	<i>Fumaria officinalis</i> L.		118	4	15	64	7	0	208	
	<i>Ranunculus acris</i> L.		61	78	29	0	20	0	188	
FW	<i>Convolvulus arvensis</i> L.		70	19	22	24	19	22	176	
FW	<i>Capsella bursa-pastoris</i> (L.) Medik.		87	9	29	46	0	4	175	
FW	<i>Polygonum aviculare</i> L.		83	41	7	9	7	17	164	
	<i>Trifolium pratense</i> L.		90	20	34	0	12	6	162	

FW/ID	<i>Persicaria maculosa</i> Gray	89	1	22	31	13	0	156
FW/ID/H	<i>Sinapis arvensis</i> L.	131	0	14	0	2	0	147
FW	<i>Cerastium fontanum</i> Baumg.	30	22	14	13	59	1	139
FW/H	<i>Thlapsi arvense</i> L.	73	0	29	7	18	0	127
	<i>Medicago lupulina</i> L.	46	1	26	0	45	1	119
	<i>Veronica chamaedrys</i> L.	45	13	4	4	20	5	91
FW/ID	<i>Persicaria lapathifolia</i> (L.) Delarbre ssp. <i>pallida</i> (With.) A. Löve	35	31	17	0	4	0	87
FW	<i>Sonchus asper</i> (L.) Hill.	45	3	21	0	7	9	85
FW	<i>Galeopsis speciosa</i> Mill.	63	0	20	0	0	0	83
	<i>Stellaria graminea</i> L.	24	20	0	0	24	15	83
FW	<i>Plantago lanceolata</i> L.	11	13	34	7	11	5	81
	<i>Hypericum perforatum</i> L.	19	6	25	3	24	1	78
FW	<i>Geranium molle</i> L.	34	2	17	8	15	1	77
	<i>Veronica officinalis</i> L.	37	10	18	3	2	5	75
FW	<i>Euphorbia helioscopia</i> L.	35	0	14	10	5	0	64
	<i>Spergula arvensis</i> L. ssp. <i>sativa</i> (Mert. & W. D. J. Koch) Celak.	22	0	30	1	7	0	60
	<i>Filipendula ulmaria</i> (L.) Maxim.	3	38	0	4	0	14	59
	<i>Glechoma hederacea</i> L.	6	2	3	4	7	28	50
	<i>Hypericum maculatum</i> Crantz	38	2	5	1	4	0	50
FW	<i>Leontodon autumnalis</i> var. <i>autumnalis</i> L.	0	27	0	0	0	23	50
	<i>Geum urbanum</i> L.	1	13	0	5	29	0	48
	<i>Cirsium vulgare</i> (Savi) Ten.	36	0	9	0	0	0	45
	<i>Lamium album</i> L.	2	30	0	0	1	7	40
FW	<i>Rumex crispus</i> L.	27	2	1	5	0	2	37
	<i>Potentilla reptans</i> L.	2	2	0	7	12	10	33
FW	<i>Plantago major</i> ssp. <i>major</i> L.	23	4	4	0	0	1	32
	<i>Geranium pyrenaicum</i> Burm. f.	4	10	0	17	0	0	31
	<i>Geranium dissectum</i> L.	0	6	18	0	0	6	30
FW	<i>Petasites hybridus</i> (L.) P. Gaertn., B. Mey. & Scherb.	30	0	0	0	0	0	30
FW	<i>Matricaria suaveolens</i> (Pursh) Buchenau	9	14	2	0	0	4	29
FW	<i>Anchusa arvensis</i> (L.) M. Bieb.	8	13	7	0	0	0	28
	<i>Epilobium angustifolium</i> L.	0	21	1	0	0	3	25
	<i>Silene latifolia</i> Poir.	1	21	0	0	1	0	23
FW/H	<i>Vicia hirsuta</i> (L.) Gray	0	0	22	0	0	0	22
FW	<i>Erodium cicutarium</i> (L.) L'Hér.	9	2	0	6	4	0	21
	<i>Symphytum xuplandicum</i> Nyman	0	12	0	0	8	0	20
	<i>Rumex thysiflorus</i> Fingerh.	12	0	5	0	2	0	19
FW	<i>Arenaria serpyllifolia</i> ssp. <i>serpyllifolia</i> L.	9	0	9	0	0	0	18

FW/D/H	<i>Vicia tetrasperma</i> (L.) Schreb.	0	0	4	0	0	0	4	0	0	4
FW	<i>Anagallis arvensis</i> L.	3	0	0	0	0	0	0	0	0	3
FW	<i>Epilobium tetragonum</i> L.	0	0	3	0	0	0	3	0	0	3
FW	<i>Plantago major</i> L. ssp. <i>intermedia</i> (Gilib.) Lange	2	0	1	0	0	0	1	0	0	3
FW	<i>Ranunculus repens</i> L.	0	0	3	0	0	0	3	0	0	3
	<i>Anchusa officinalis</i> L.	2	0	0	0	0	0	0	0	0	2
D	<i>Centaurea cyanus</i> L.	0	1	0	0	0	0	0	0	1	2
	<i>Chaerophyllum temulum</i> L.	1	0	1	0	0	0	1	0	0	2
	<i>Lathyrus pratensis</i> L.	1	1	0	0	0	0	0	0	0	2
FW	<i>Lupinus angustifolius</i> L.	2	0	0	0	0	0	0	0	0	2
	<i>Allium oleraceum</i> L.	0	0	0	0	0	0	0	0	0	1
	<i>Cerastium arvense</i> L.	0	0	0	0	0	0	0	0	0	1
FW	<i>Lamium amplexicaule</i> L.	0	0	0	0	0	0	0	1	0	1
	<i>Silene dioica</i> (L.) Clairv.	0	0	1	0	0	0	1	0	0	1

References

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