SUPPLEMENTARY MATERIAL

Diversity of floristic composition of midfield baulks under different farming systems implemented on the outskirts of the Białowieża Forest

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Table S1. Floristic diversity of phytocenoses located within agrocenoses (A) and balks (B) under integrated (I), conventional (C) and organic (O) farming system

Variables in correspondence analysis matrix	Syntaxonomic group	Ecological strategy	Plant species	Abbreviated names of plant species	Objects in correspondence analysis matrix																	
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
					Year																	
					2016		2020		2022		2016		2020		2022		2016		2020		2022	
					AI1	AI2	AI3	AI4	AI5	AI6	AC1	AC2	AC3	AC4	AC5	AC6	AO1	AO2	AO3	AO4	AO5	AO6
1	Agropyretea	C-R	*Convolvulus arvensis*	Con	1	1	1	.	1	1	.	.	.	.	.	.	2	2	3	2	3	3
2	Agropyretea	C	*Elymus repens*	Ere	3	3	3	3	3	3	1	1	1	1	2	1	1	1	.	1	.	.
3	Agropyretea	C-R	*Equisetum arvense*	Ear	.	1	1	.	1	.	1	.	.	1	.	1	.	1	.	.	1	.
4	Artemisietea vulgaris	C-S	*Artemisia absinthium*	Aab	.	1	.	.	1	.	1	1	1	1	1	1	.	.	.	.	.	.
5	Artemisietea vulgaris	C	*Artemisia vulgaris*	Avu	1	2	2	1	3	1	3	3	3	3	3	3	.	.	.	.	.	.
6	Artemisietea vulgaris	C-R	*Chelidonium majus*	Cma	.	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7	Artemisietea vulgaris	C	*Cichorium intybus*	Cin	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	Artemisietea vulgaris	C	*Cirsium arvense*	Car	1	1	1	1	2	1	1	.	.	.	1	.	1	2	1	2	1	2
9	Artemisietea vulgaris	C-R	*Galium aparine*	Gap	2	1	1	2	1	1	1	2	1	2	1	1	1	1	1	2	1	1
10	Artemisietea vulgaris	C-S-R	*Glechoma hederacea*	Ghe	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	.	1	1
11	Artemisietea vulgaris	C-S-R	*Linaria vulgaris*	Lvu	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12	Artemisietea vulgaris	C-R	*Melilotus officinalis*	Mof	2	1	2	1	1	2	.	.	.	.	.	.	.	.	.	.	.	.
13	Artemisietea vulgaris	C	*Silene latifolia ssp. alba*	Sla	1	2	1	1	1	1	.	.	.	.	.	.	.	.	.	.	.	.
14	Artemisietea vulgaris	C	*Solidago canadensis*	Sca	3	2	1	3	1	2	.	.	.	.	.	.	.	.	.	.	.	.
15	Artemisietea vulgaris	C	*Solidago gigantea*	Sgi	.	.	.	.	.	.	1	2	3	1	2	3	.	.	.	.	.	.
16	Artemisietea vulgaris	C	*Urtica dioica*	Udi	1	1	1	1	1	2	3	3	2	3	3	3	.	.	1	.	1	.
17	Festuco-Brometea	C-S-R	*Ajuga genevensis*	Age	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	Festuco-Brometea	C-S-R	*Euphorbia cyparissias*	Ecy	1	1	.	.	.	.	.	.	.	.	.	.	1	1	2	1	1	+
19	Koelerio-Corynephoretea	C-S-R	*Rumex acetosella*	Rac	1	1	1	1	1	1	1	1	1	.	.	1	.	1	.	1	.	.
20	Koelerio-Corynephoretea	S-R	*Trifolium arvense*	Tar	1	1	1	1	1	1	.	1	1	.	1	1	1	2	1	2	1	1
21	Molinio-Arrhenatheretea	C	*Achillea millefolium*	Ami	1	1	1	2	1	1	.	.	.	.	.	.	1	2	2	2	1	2
22	Molinio-Arrhenatheretea	C-S-R	*Alchemilla monticola*	Amo	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	1	1	.
23	Molinio-Arrhenatheretea	C	*Alopecurus pratensis*	Apr	1	1	1	1	1	1	1	1	1	1	1	1	1	.	.	1	1	1
24	Molinio-Arrhenatheretea	C	*Centaurea jacea*	Cja	1	2	1	1	1	1	.	.	.	.	.	.	1	1	1	.	1	.
25	Molinio-Arrhenatheretea	C-R	*Cerastium holosteoides*	Cho	2	1	1	1	2	1	1	1	.	1	1	1	1	2	1	2	1	2
26	Molinio-Arrhenatheretea	R	*Chamomilla suaveolens*	Csu	.	.	.	.	.	.	2	2	2	3	2	1	.	.	.	.	.	.
27	Molinio-Arrhenatheretea	C	*Dactylis glomerata*	Dgl	2	2	2	3	2	2	1	1	2	2	1	1	2	3	2	1	3	2
28	Molinio-Arrhenatheretea	C-R	*Daucus carota*	Dca	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
29	Molinio-Arrhenatheretea	C	*Galium mollugo*	Gmo	3	2	2	2	3	2	.	.	.	.	.	.	.	.	.	.	.	.
30	Molinio-Arrhenatheretea	C-S-R	*Inula britannica*	Ibr	1	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.
31	Molinio-Arrhenatheretea	C-S-R	*Prunella vulgaris*	Pvu	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	.	1	1
32	Molinio-Arrhenatheretea	C-S-R	*Taraxacum officinale*	Tof	2	1	2	1	1	1	.	.	.	.	.	.	1	1	.	1	1	1

Variables in correspondence analysis matrix	Syntaxonomic group	Ecological strategy	Plant species	Abbreviated names of plant species	Objects in correspondence analysis matrix																	
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
					Year																	
					2016		2020		2022		2016		2020		2022		2016		2020		2022	
					AI1	AI2	AI3	AI4	AI5	AI6	AC1	AC2	AC3	AC4	AC5	AC6	AO1	AO2	AO3	AO4	AO5	AO6
33	Molinio-Arrhenatheretea	C-S-R	*Trifolium repens*	Tre	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34	Molinio-Arrhenatheretea	C	*Vicia cracca*	Vcr	2	1	2	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1
35	Stellarietea mediae	S-R	*Adonis aestivalis*	Aae	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36	Stellarietea mediae	C-R	*Agrostemma githago*	Agi	2	1	1	2	1	1	.	.	.	.	.	.	.	.	.	.	.	.
37	Stellarietea mediae	C-R	*Amaranthus chlorostachys*	Ach	2	2	1	1	2	1	.	.	.	.	.	.	.	.	.	.	.	.
38	Stellarietea mediae	R	*Anagallis arvensis*	Aar	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	2	1	1
39	Stellarietea mediae	C-R	*Anthemis arvensis*	Ant	1	2	1	1	1	1	3	2	3	2	3	2	1	2	1	1	2	1
40	Stellarietea mediae	C-R	*Apera spica-venti*	Asv	2	3	2	2	2	3	2	2	2	2	2	2	.	.	.	.	.	.
41	Stellarietea mediae	C-R	*Avena fatua*	Afa	1	.	1	.	1	.	1	1	1	1	2	1	.	.	.	.	.	.
42	Stellarietea mediae	C-R	*Bromus secalinus*	Bse	.	.	.	.	.	.	1	1	1	1	2	1	.	.	.	.	.	.
43	Stellarietea mediae	R	*Camelina alyssum*	Cal	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
44	Stellarietea mediae	R	*Caucalis platycarpos*	Cpl	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
45	Stellarietea mediae	C-R	*Centaurea cyanus*	Ccy	2	2	1	2	2	1	3	4	4	3	2	4	2	2	3	3	2	2
46	Stellarietea mediae	C-R	*Chenopodium album*	Cha	.	.	.	.	.	.	.	.	.	.	.	.	2	3	2	3	3	2
47	Stellarietea mediae	R	*Consolida regalis*	Cre	.	.	1	.	.	.	.	.	.	.	.	.	.	1	2	2	.	1
48	Stellarietea mediae	R	*Digitaria sanguinalis*	Dsa	1	2	1	2	2	1	.	.	1	2	1	1	.	.	.	.	.	.
49	Stellarietea mediae	C-R	*Echinochloa crus-galli*	Ecg	2	3	2	2	3	3	2	1	1	1	2	1	3	3	4	3	3	2
50	Stellarietea mediae	R	*Fumaria officinalis*	Fof	.	1	1	.	.	.	.	.	.	.	.	.	2	2	2	1	2	1
51	Stellarietea mediae	C	*Geranium pusillum .*	Gpu	1	1	.	.	1	.	1	.	1	.	1	.	1	.	1	.	.	1
52	Stellarietea mediae	R	*Lamium amplexicaule*	Lap	1	.	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.
53	Stellarietea mediae	R	*Lamium purpureum*	Lpu	.	1	2	1	1	1	1	1	1	2	1	1	3	3	3	4	3	3
54	Stellarietea mediae	C-R	*Malva neglecta*	Mne	1	1	1	2	1	1	.	.	.	.	.	.	.	.	.	.	.	.
55	Stellarietea mediae	C-R	*Matricaria perforata*	Mpe	.	.	.	.	.	.	2	3	3	3	2	3	.	.	.	.	.	.
56	Stellarietea mediae	R	*Myosotis arvensis*	Myo	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
57	Stellarietea mediae	R	*Odontites vernus*	Ove	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	1	1
58	Stellarietea mediae	C-R	*Papaver rhoeas*	Prh	1	.	1	.	1	.	1	1	1	1	1	1	1	.	1	.	.	.
59	Stellarietea mediae	R	*Polygonum aviculare*	Pav	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
60	Stellarietea mediae	R	*Ranunculus arvensis*	Rar	1	1	1	2	1	2	1	2	1	1	2	1	2	3	2	3	2	3
61	Stellarietea mediae	C-R	*Raphanus raphanistrum*	Rra	2	2	3	3	2	2	.	.	.	.	.	.	.	.	.	.	.	.
62	Stellarietea mediae	R	*Scleranthus annuus*	San	.	.	.	.	.	.	2	1	2	1	2	2	.	.	.	.	.	.
63	Stellarietea mediae	R	*Setaria viridis*	Svi	1	1	1	2	2	1	.	.	.	.	.	.	2	2	2	1	1	1
64	Stellarietea mediae	C-R	*Sinapis arvensis*	Sar	.	.	.	.	.	.	.	.	.	.	.	.	2	3	2	3	2	2
65	Stellarietea mediae	C-R	*Sonchus oleraceus*	Sol	.	.	.	.	.	.	1	1	2	1	2	2	.	.	.	.	.	.
66	Stellarietea mediae	C-R	*Stellaria media*	Sme	2	2	1	2	1	2	2	2	2	2	2	2	1	2	2	1	2	1

Variables in correspondence analysis matrix	Syntaxonomic group	Ecological strategy	Plant species	Abbreviated names of plant species	Objects in correspondence analysis matrix																	
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
					Year																	
					2016		2020		2022		2016		2020		2022		2016		2020		2022	
					AI1	AI2	AI3	AI4	AI5	AI6	AC1	AC2	AC3	AC4	AC5	AC6	AO1	AO2	AO3	AO4	AO5	AO6
67	Stellarietea mediae	C-S-R	*Tussilago farfara*	Tfa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
68	Stellarietea mediae	R	*Veronica agrestis*	Vag	1	1	1	.	1	1	.	.	.	.	.	.	1	+	+	1	1	1
69	Stellarietea mediae	R	*Veronica persica*	Vpe	.	.	1	.	.	.	.	.	.	.	.	.	1	2	1	1	2	1
70	Stellarietea mediae	R	*Viola arvensis*	Vio	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
71	–	C	*Aegopodium podagraria*	Apo	1	.	1	.	1	2	.	.	.	.	.	.	.	.	.	.	.	.
72	–	C-R	*Amaranthus retroflexus*	Are	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	.	1
73	–	S-R	*Camelina microcarpa*	Cmi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
74	–	R	*Capsella bursa- pastoris*	Cbp	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
75	–	R	*Erodium cicutarium*	Eci	1	.	.	1	.	.	1	2	1	1	1	2	.	.	.	.	.	.
76	–	R	*Euphrasia stricta*	Est	1	1	.	.	.	.	.	.	.	.	.	.	1	.	.	1	.	1
77	–	C-S-R	*Hieracium pilosella*	Hpi	1	.	1	.	1	1	.	.	.	.	.	.	.	.	.	.	.	.
78	–	C	*Inula helenium*	Ihe	1	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.
79	–	C	*Lolium multiflorum*	Lmu	2	3	3	2	3	2	1	1	1	1	1	1	1	1	2	2	1	2
80	–	C-R	*Melampylum arvense*	Mar	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	.	.	1
81	–	R	*Neslia paniculata*	Npa	.	.	.	.	.	.	.	.	.	.	.	.	1	+	+	1	1	+
82	–	S-R	*Nigella arvensis*	Nar	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	1	1	+
83	–	C-S	*Phragmites australis*	Pau	1	1	1	1	1	1	1	.	.	.	.	1	.	.	.	.	.	.
84	–	R	*Poa annua*	Pan	1	1	2	1	1	2	2	3	2	2	2	3	1	1	1	.	1	.
85	–	C-S-R	*Sanguisorba minor*	Smi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1
86	–	C	*Senecio jacobaea*	Sja	1	1	1	2	1	1	1	.	1	1	.	1	2	2	2	2	1	1
87	–	R	*Senecio vulgaris*	Svu	1	1	1	1	1	1	1	1	.	1	.	1	1	1	1	1	1	1
88	–	C-R	*Sonchus arvensis*	Son	1	1	.	1	1	1	.	.	.	.	.	.	2	3	2	3	2	2
89	–	C	*Verbascum nigrum*	Vni	.	.	.	.	.	.	1	1	2	1	1	1	.	.	.	.	.	.
90	–	R	*Veronica arvensis*	Var	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	1	1
91	–	R	*Viola tricolor*	Vtr	1	1	1	2	1	2	1	1	1	2	1	1	1	1	1	2	1	1
Total number of species					51	49	49	41	50	44	37	33	34	34	34	37	44	41	42	40	41	42

Continue Table S1.

Variables in correspondence analysis matrix	Syntaxonomic group	Ecological strategy	Plant species	Abbreviated names of plant species	Objects in correspondence analysis matrix																	
					19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
					Year																	
					2016		2020		2022		2016		2020		2022		2016		2020		2022	
					BI1	BI2	BI3	BI4	BI5	BI6	BC1	BC2	BC3	BC4	BC5	BC6	BO1	BO2	BO3	BO4	BO5	BO6
1	Agropyretea	C-R	*Convolvulus arvensis*	Con	1	1	1	.	1	1	.	.	.	.	.	.	1	1	1	2	2	1
2	Agropyretea	C	*Elymus repens*	Ere	3	1	3	1	1	3	.	1	1	3	3	3	1	2	1	2	2	1
3	Agropyretea	C-R	*Equisetum arvense*	Ear	.	1	1	.	1	.	1	.	.	1	.	1	1	1	.	1	1	1
4	Artemisietea vulgaris	C-S	*Artemisia absinthium*	Aab	.	1	.	.	1	.	1	1	2	1	1	1	.	1	.	1	.	1
5	Artemisietea vulgaris	C	*Artemisia vulgaris*	Avu	1	1	1	1	1	1	1	1	1	1	1	1	.	1	.	.	1	.
6	Artemisietea vulgaris	C-R	*Chelidonium majus*	Cma	.	1	.	1	.	.	.	.	.	.	.	.	1	.	.	1	.	.
7	Artemisietea vulgaris	C	*Cichorium intybus*	Cin	.	.	.	.	.	.	.	.	.	.	.	.	1	+	1	+	+	+
8	Artemisietea vulgaris	C	*Cirsium arvense*	Car	1	2	1	1	2	1	1	.	.	.	1	1	2	3	2	3	3	2
9	Artemisietea vulgaris	C-R	*Galium aparine*	Gap	1	1	1	2	1	1	1	2	1	1	1	1	1	2	1	1	1	1
10	Artemisietea vulgaris	C-S-R	*Glechoma hederacea*	Ghe	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	+	1	1
11	Artemisietea vulgaris	C-S-R	*Linaria vulgaris*	Lvu	.	.	.	.	.	.	.	.	.	.	.	.	1	1	+	1	1	+
12	Artemisietea vulgaris	C-R	*Melilotus officinalis*	Mof	2	1	2	1	1	2	.	.	.	.	.	.	.	.	.	.	.	.
13	Artemisietea vulgaris	C	*Silene latifolia ssp. alba*	Sla	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	Artemisietea vulgaris	C	*Solidago canadensis*	Sca	3	3	3	3	3	3	.	.	.	.	1	1	.	1	1	1	1	1
15	Artemisietea vulgaris	C	*Solidago gigantea*	Sgi	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	1	1
16	Artemisietea vulgaris	C	*Urtica dioica*	Udi	2	2	2	1	1	2	1	3	2	3	3	3	.	.	1	.	1	.
17	Festuco-Brometea	C-S-R	*Ajuga genevensis*	Age	.	1	1	1	1	1	.	.	.	.	.	.	1	1	1	1	1	1
18	Festuco-Brometea	C-S-R	*Euphorbia cyparissias*	Ecy	1	1	.	1	.	.	.	.	.	.	.	.	.	.	1	1	.	.
19	Koelerio-Corynephoretea	C-S-R	*Rumex acetosella*	Rac	1	2	1	2	1	1	1	1	1	.	.	1	.	1	.	1	1	.
20	Koelerio-Corynephoretea	S-R	*Trifolium arvense*	Tar	1	1	1	1	1	1	.	.	.	.	.	.	1	2	1	2	1	1
21	Molinio-Arrhenatheretea	C	*Achillea millefolium*	Ami	1	1	1	2	1	1	.	1	.	1	.	.	1	2	1	1	1	2
22	Molinio-Arrhenatheretea	C-S-R	*Alchemilla monticola*	Amo	.	+	.	.	.	1	.	.	.	.	.	.	1	1	.	1	1	.
23	Molinio-Arrhenatheretea	C	*Alopecurus pratensis*	Apr	1	1	1	1	1	1	2	2	2	3	2	2	1	.	.	1	1	1
24	Molinio-Arrhenatheretea	C	*Centaurea jacea*	Cja	1	2	1	1	1	1	.	.	.	.	.	.	1	.	1	.	1	.
25	Molinio-Arrhenatheretea	C-R	*Cerastium holosteoides*	Cho	2	2	1	1	1	1	2	1	2	2	1	2	1	.	.	1	.	.
26	Molinio-Arrhenatheretea	R	*Chamomilla suaveolens*	Csu	.	.	.	.	.	.	1	1	1	1	.	1	.	.	.	.	.	.
27	Molinio-Arrhenatheretea	C	*Dactylis glomerata*	Dgl	3	2	2	3	2	2	3	3	3	3	3	3	1	1	1	1	1	1
28	Molinio-Arrhenatheretea	C-R	*Daucus carota*	Dca	2	2	2	3	3	2	1	1	.	1	.	1	2	2	2	1	2	2
29	Molinio-Arrhenatheretea	C	*Galium mollugo*	Gmo	1	1	2	1	1	1	.	.	.	.	.	.	.	.	.	.	.	.
30	Molinio-Arrhenatheretea	C-S-R	*Inula britannica*	Ibr	1	1	.	.	1	.	1	2	1	1	1	1	1	.	1	.	.	1
31	Molinio-Arrhenatheretea	C-S-R	*Prunella vulgaris*	Pvu	.	.	.	.	.	.	.	.	.	.	.	.	1	1	+	1	1	+
32	Molinio-Arrhenatheretea	C-S-R	*Taraxacum officinale*	Tof	2	1	2	1	2	1	.	.	.	.	.	.	1	1	.	1	1	1

Variables in correspondence analysis matrix	Syntaxonomic group	Ecological strategy	Plant species	Abbreviated names of plant species	Objects in correspondence analysis matrix																	
					19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
					Year																	
					2016		2020		2022		2016		2020		2022		2016		2020		2022	
					BI1	BI2	BI3	BI4	BI5	BI6	BC1	BC2	BC3	BC4	BC5	BC6	BO1	BO2	BO3	BO4	BO5	BO6
33	Molinio-Arrhenatheretea	C-S-R	*Trifolium repens*	Tre	.	.	.	.	.	.	1	2	1	1	2	1	.	.	.	.	.	.
34	Molinio-Arrhenatheretea	C	*Vicia cracca*	Vcr	1	2	2	1	2	1	1	1	2	1	1	1	1	1	.	1	.	2
35	Stellarietea mediae	S-R	*Adonis aestivalis*	Aae	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	+	+
36	Stellarietea mediae	C-R	*Agrostemma githago*	Agi	.	.	.	.	.	.	.	.	.	.	.	1	.	1	.	1	1	.
37	Stellarietea mediae	C-R	*Amaranthus chlorostachys*	Ach	1	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.
38	Stellarietea mediae	R	*Anagallis arvensis*	Aar	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1
39	Stellarietea mediae	C-R	*Anthemis arvensis*	Ant	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Stellarietea mediae	C-R	*Apera spica-venti*	Asv	2	3	2	2	2	3	1	1	1	2	1	2	1	1	1	2	2	1
41	Stellarietea mediae	C-R	*Avena fatua*	Afa	1	1	1	1	1	1	1	1	1	1	2	1	1	.	.	1	1	1
42	Stellarietea mediae	C-R	*Bromus secalinus*	Bse	.	.	.	.	.	.	.	1	.	1	.	.	1	1	1	1	1	.
43	Stellarietea mediae	R	*Camelina alyssum*	Cal	.	.	.	.	.	.	.	.	.	.	.	.	1	+	+	+	1	+
44	Stellarietea mediae	R	*Caucalis platycarpos*	Cpl	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	+	+	+
45	Stellarietea mediae	C-R	*Centaurea cyanus*	Ccy	2	2	1	2	2	1	2	2	1	1	2	1	2	2	3	3	2	2
46	Stellarietea mediae	C-R	*Chenopodium album*	Cha	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
47	Stellarietea mediae	R	*Consolida regalis*	Cre	.	.	1	.	.	.	.	.	.	.	.	.	1	2	1	2	2	2
48	Stellarietea mediae	R	*Digitaria sanguinalis*	Dsa	1	2	1	2	2	1	1	2	1	2	1	1	.	.	1	.	1	1
49	Stellarietea mediae	C-R	*Echinochloa crus-galli*	Ecg	1	1	1	2	1	1	2	2	1	2	2	2	1	1	2	1	1	1
50	Stellarietea mediae	R	*Fumaria officinalis*	Fof	.	1	1	.	.	.	.	.	.	.	.	.	1	.	.	1	.	1
51	Stellarietea mediae	C	*Geranium pusillum .*	Gpu	1	1	.	.	1	.	.	.	.	.	.	.	1	1	1	2	1	1
52	Stellarietea mediae	R	*Lamium amplexicaule*	Lap	.	.	.	.	.	.	.	.	.	.	.	.	3	3	2	3	2	3
53	Stellarietea mediae	R	*Lamium purpureum*	Lpu	2	2	2	1	1	2	.	.	.	.	.	.	2	2	2	2	1	1
54	Stellarietea mediae	C-R	*Malva neglecta*	Mne	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	1	1
55	Stellarietea mediae	C-R	*Matricaria perforata*	Mpe	.	.	.	.	.	.	1	1	1	1	1	1	.	.	.	.	.	.
56	Stellarietea mediae	R	*Myosotis arvensis*	Myo	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	1	1
57	Stellarietea mediae	R	*Odontites vernus*	Ove	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.
58	Stellarietea mediae	C-R	*Papaver rhoeas*	Prh	1	.	1	.	1	.	1	1	1	1	1	1	1	.	1	.	2	1
59	Stellarietea mediae	R	*Polygonum aviculare*	Pav	.	.	.	.	.	.	.	.	.	.	.	.	2	2	3	2	2	2
60	Stellarietea mediae	R	*Ranunculus arvensis*	Rar	1	1	1	2	1	2	1	.	1	1	.	.	2	3	2	3	2	3
61	Stellarietea mediae	C-R	*Raphanus raphanistrum*	Rra	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
62	Stellarietea mediae	R	*Scleranthus annuus*	San	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.
63	Stellarietea mediae	R	*Setaria viridis*	Svi	1	1	1	.	1	1	2	2	2	2	2	2	.	.	.	1	.	1
64	Stellarietea mediae	C-R	*Sinapis arvensis*	Sar	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	.	1
65	Stellarietea mediae	C-R	*Sonchus oleraceus*	Sol	.	.	.	.	.	.	.	.	1	.	.	.	1	1	1	1	.	1
66	Stellarietea mediae	C-R	*Stellaria media*	Sme	2	1	1	1	1	2	1	1	2	1	2	2	1	1	1	1	1	1

Variables in correspondence analysis matrix	Syntaxonomic group	Ecological strategy	Plant species	Abbreviated names of plant species	Objects in correspondence analysis matrix																	
					19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
					Year																	
					2016		2020		2022		2016		2020		2022		2016		2020		2022	
					BI1	BI2	BI3	BI4	BI5	BI6	BC1	BC2	BC3	BC4	BC5	BC6	BO1	BO2	BO3	BO4	BO5	BO6
67	Stellarietea mediae	C-S-R	*Tussilago farfara*	Tfa	.	.	.	.	.	.	.	.	.	.	.	.	1	2	1	2	1	1
68	Stellarietea mediae	R	*Veronica agrestis*	Vag	1	1	1	.	1	1	.	1	.	1	.	.	.	.	.	1	1	1
69	Stellarietea mediae	R	*Veronica persica*	Vpe	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
70	Stellarietea mediae	R	*Viola arvensis*	Vio	1	1	1	1	1	1	2	2	2	2	1	2	2	2	1	1	2	1
71	–	C	*Aegopodium podagraria*	Apo	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	1	1
72	–	C-R	*Amaranthus retroflexus*	Are	2	2	2	2	2	1	.	.	.	.	.	.	.	.	1	1	.	.
73	–	S-R	*Camelina microcarpa*	Cmi	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	+	+	+
74	–	R	*Capsella bursa- pastoris*	Cbp	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	2	1
75	–	R	*Erodium cicutarium*	Eci	1	.	.	1	.	.	1	.	1	1	1	2	.	1	.	.	1	.
76	–	R	*Euphrasia stricta*	Est	1	1	.	.	.	.	1	.	.	1	.	.	1	1	.	.	1	1
77	–	C-S-R	*Hieracium pilosella*	Hpi	1	.	1	.	1	1	.	.	.	.	.	.	.	.	1	1	.	1
78	–	C	*Inula helenium*	Ihe	1	.	.	.	.	1	.	.	.	.	.	.	1	.	1	.	1	.
79	–	C	*Lolium multiflorum*	Lmu	2	3	3	2	3	2	2	2	2	2	2	2	1	1	2	2	1	2
80	–	C-R	*Melampylum arvense*	Mar	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	.	1
81	–	R	*Neslia paniculata*	Npa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
82	–	S-R	*Nigella arvensis*	Nar	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
83	–	C-S	*Phragmites australis*	Pau	1	1	1	1	1	1	1	1	1	1	1	1	.	.	.	.	.	.
84	–	R	*Poa annua*	Pan	2	1	2	2	1	2	1	1	1	1	1	1	1	1	1	.	1	.
85	–	C-S-R	*Sanguisorba minor*	Smi	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	1	1
86	–	C	*Senecio jacobaea*	Sja	1	1	1	2	1	1	1	.	1	1	.	1	1	1	1	1	1	1
87	–	R	*Senecio vulgaris*	Svu	1	1	1	1	1	1	1	1	.	1	.	1	1	2	1	1	2	2
88	–	C-R	*Sonchus arvensis*	Son	1	1	.	1	1	1	.	.	.	.	.	.	2	3	2	3	2	2
89	–	C	*Verbascum nigrum*	Vni	1	1	1	1	1	.	1	.	1	.	1	1	1	.	.	.	.	1
90	–	R	*Veronica arvensis*	Var	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.
91	–	R	*Viola tricolor*	Vtr	1	1	1	2	1	2	1	2	1	2	1	1	.	.	.	1	.	.
Total number of species					51	51	49	50	47	41	47	44	36	33	33	37	30	37	60	56	58	67

Explanations: AI = crops in the integrated agriculture system; AC = crops in the conventional agriculture system ; AO = crops in the organic agriculture system; BI = baulks in the integrated agriculture system; BC = baulks in the conventional agriculture system; BO = baulks in the organic agriculture system, C = competitors; S = tolerant to stresses, R = ruderals.

Source: own study.