

Appendix 3. System comparisons for individual invertebrate species. Winter cereal (2002/2003). N= the number of farm pairs where at least one individual was recorded.

a) Field carabids before harvest.

Species	Mean Difference (/trap/Farm x 100)				d value (Mean diff on Log- scale)				
	N	Mean	StdErr	t	Prt	Mean	StdErr	t	Prt
Abax parallel epi pedus	13,00	7,80	6,53	1,19	0,2556	0,63	0,80	0,79	0,4465
Acupalpus dorsalis	1,00	11,11				2,49			
Acupalpus exiguus	1,00	11,11				2,49			
Acupalpus meridi anus	5,00	-24,72	30,88	-0,80	0,4683	-0,27	1,40	-0,20	0,8544
Agonum assimile	1,00	22,22				3,15			
Agonum dorsale	48,00	15,22	35,99	0,42	0,6744	-0,01	0,37	-0,04	0,9715
Agonum moestum	1,00	-11,11				-2,49			
Agonum muelleri	24,00	10,92	43,60	0,25	0,8044	0,88	0,58	1,50	0,1463
Agonum obscurum	2,00	11,11	22,22	0,50	0,7048	0,52	3,02	0,17	0,8911
Amara aenea	17,00	31,19	25,71	1,21	0,2427	0,60	0,79	0,76	0,4557
Amara aulica	1,00	-22,22				-3,15			
Amara bifrons	3,00	7,41	3,70	2,00	0,1835	1,66	0,83	2,00	0,1835
Amara communis	5,00	8,89	8,16	1,09	0,3375	1,63	1,20	1,35	0,2473
Amara convexior	1,00	-11,11				-2,49			
Amara eurynota	1,00	11,11				2,49			
Amara familiaris	18,00	45,17	22,65	1,99	0,0625	2,57	0,41	6,30	< 0,0001
Amara lunicollis	5,00	-4,72	6,74	-0,70	0,5222	-0,28	1,21	-0,23	0,8267
Amara montivaga	2,00	0,00	11,11	0,00	1,0000	0,00	2,49	0,00	0,0000
Amara ovata	15,00	33,52	39,94	0,84	0,4155	0,44	0,89	0,49	0,6288
Amara pl ebela	48,00	27,09	20,49	1,32	0,1925	0,54	0,42	1,27	0,2104
Amara similata	14,00	23,75	7,79	3,05	0,0093	2,24	0,68	3,31	0,0056
Amara species	2,00	5,56	27,78	0,20	0,8743	0,20	3,34	0,06	0,9628
Ani sodactylus binotatus	3,00	-11,11	22,22	-0,50	0,6667	0,32	2,18	0,15	0,8973
Asaphidion curtum	3,00	-7,41	9,80	-0,76	0,5286	-1,05	1,78	-0,59	0,6158
Asaphidion flavipes	3,00	-15,87	3,30	-4,80	0,0407	-2,79	0,19	-14,6	0,0046
Asaphidion species	4,00	-11,11	0,00			-2,49		0,00	
Asaphidion stierlini	23,00	-9,92	5,46	-1,82	0,0828	-1,16	0,55	-2,13	0,0443
Badister bullatus	5,00	-2,50	5,56	-0,45	0,6764	-0,52	1,23	-0,42	0,6941
Badister sodalis	3,00	3,24	7,87	0,41	0,7204	0,80	1,70	0,47	0,6858
Bembidion aenum	23,00	-41,41	25,29	-1,64	0,1158	-0,80	0,63	-1,26	0,2197
Bembidion biguttatum	1,00	-11,11				-2,49			
Bembidion glivipes	1,00	11,11				2,49			
Bembidion guttula	30,00	1,54	12,03	0,13	0,8993	0,18	0,42	0,43	0,6693
Bembidion lampros	52,00	6,69	39,81	0,17	0,8671	0,55	0,40	1,38	0,1727
Bembidion lunatum	41,00	1,29	15,93	0,09	0,9320	-0,52	0,40	1,29	0,2034
Bembidion obtusum	23,00	-14,79	5,68	-2,60	0,0162	-1,26	0,47	-2,68	0,0138
Bembidion properans	23,00	28,13	14,26	1,97	0,0612	2,19	0,58	3,78	0,0010
Bembidion quadrimaculatum	23,00	29,36	10,85	2,71	0,0129	2,02	0,56	3,61	0,0015
Bembidion tetracolum	17,00	9,35	67,26	0,14	0,8912	-0,66	0,98	-0,68	0,5078
Brachinus crepitans	3,00	1164,8	1189,8	0,98	0,4308	0,64	3,78	0,17	0,8811
Calathus fuscipes	13,00	44,08	21,81	2,02	0,0662	2,01	0,80	2,52	0,0271
Calathus melanocephalus	7,00	0,45	9,80	0,05	0,9646	-0,02	1,16	-0,02	0,9870
Calathus piceus	1,00	-11,11				-2,49			
Calathus melanocephalus agg.	1,00	-11,11				-2,49			
Carabus granulatus	3,00	14,35	16,52	0,87	0,4765	1,24	1,96	0,63	0,5922
Carabus nemoralis	3,00	-33,33				-3,15			
Carabus violaceus	19,00	-21,85	23,00	-0,95	0,3547	-0,70	0,59	-1,19	0,2509
Chlaenius nigricornis	1,00	-11,11				-2,49			
Cilivina fossor	21,00	-15,39	17,34	-2,10	0,0460	-0,59	0,49	-1,19	0,2444
Demetrias atricapillus	9,00	-3,46	4,42	-0,78	0,4562	-0,82	0,78	-1,05	0,3258
Harpalus affinis	39,00	-1,53	7,65	-0,20	0,8428	0,76	0,37	2,07	0,0452
Harpalus rufipes	1,00	-11,11				-2,49			
Harpalus punctatus	1,00	-11,11				-2,49			
Harpalus rufibarbis	2,00	-16,67	5,56	-3,00	0,2048	-2,82	0,33	-8,66	0,0732
Harpalus rufipes	52,00	9,60	25,61	0,38	0,7092	0,30	0,34	0,89	0,3772
Laemostenus terri cola	1,00	-12,50				-2,60			

Lei stus ful vi barbi s	4.00	-8.33	6.99	-1.19	0.3189	-1.41	1.31	-1.08	0.3608
Loric era pl i corni s	53.00	-27.84	8.60	-3.24	0.0021	-0.73	0.23	-3.18	0.0025
Metabl etus foveat us	1.00	-11.11				-2.49			
Metabl etus obscu rogutt atus	4.00	8.33	6.99	1.19	0.3189	1.41	1.31	1.08	0.3608
Mi col est es maur us	2.00	22.22	11.11	2.00	0.2952	3.02	0.52	5.79	0.1089
Nebri a brevic ol li s	36.00	76.01	54.63	1.39	0.1728	0.21	0.38	0.55	0.5842
Nebri a sal i na	20.00	-17.47	12.41	-1.41	0.1753	-0.30	0.65	-0.47	0.6424
Nebri a brevic ol li s/ sal i na i ndet.	8.00	0.22	5.39	0.04	0.9682	-0.21	0.80	-0.27	0.7970
Noti ophi lus bi guttat us	43.00	-7.16	3.91	-1.83	0.0742	-0.39	0.31	-1.25	0.2167
Noti ophi lus pal ustri s	3.00	-15.28	3.50	-4.37	0.0486	-2.75	0.20	-13.6	0.0053
Noti ophi lus quadri punctat us	5.00	-2.50	5.56	-0.45	0.6764	-0.52	1.23	-0.42	0.6941
Noti ophi lus substri atus	8.00	6.94	4.30	1.61	0.1507	0.33	0.85	1.56	0.1619
Patrob us atroruf us	5.00	-44.72	20.11	-2.22	0.0902	-2.67	1.31	-2.04	0.1111
Pterost i chus anthraci nus	1.00	11.11				2.49			
Pterost i chus cri stat us	1.00	-44.44				-3.82			
Pterost i chus cupre us	44.00	933.58	321.63	2.90	0.0058	1.46	0.37	3.92	0.0003
Pterost i chus longi col li s	6.00	34.72	16.91	2.05	0.0952	2.42	1.19	2.03	0.0976
Pterost i chus macer	5.00	-1.50	8.02	-0.19	0.8607	0.78	1.14	0.68	0.5335
Pterost i chus maadi us	46.00	259.33	194.90	1.33	0.1900	0.58	0.50	1.14	0.2586
Pterost i chus mel anari us	58.00	-292.7	271.48	-1.08	0.2854	-0.22	0.27	-0.83	0.4081
Pterost i chus ni ger	29.00	-15.89	25.33	-0.63	0.5356	-0.08	0.48	-0.17	0.8670
Pterost i chus ni gri ta	5.00	8.89	10.18	0.87	0.4320	0.76	1.35	0.56	0.6024
Pterost i chus strenu us	26.00	-1.07	9.17	-0.12	0.9082	0.42	0.57	0.74	0.4675
Pterost i chus vernal is	18.00	13.88	3.82	3.63	0.0021	1.97	0.41	4.81	0.0002
Pterost i chus versicol or	7.00	117.45	82.47	1.42	0.2043	-2.93	0.70	4.21	0.0056
Stomi s pumi cat us	18.00	-1.47	5.16	-0.28	0.7799	-0.17	0.69	-0.24	0.8118
Synuch us ni val is	24.00	-8.28	12.71	-0.65	0.5211	-0.73	0.57	-1.28	0.2141
Trech us di scus	1.00	-22.22				3.15			
Trech us mi cros	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Trech us quadri stri atus	45.00	-69.06	46.53	-1.48	0.1449	-1.38	0.37	-3.75	0.0005
Trech us secal is	1.00	22.22				1.04			

b) Boundary carabi ds before harvest.

	N	Mean	StdErr	Mean	StdErr	Prt
Species						
Abax paral lel epi pedus	21.00	6.42	7.11	0.90	0.3779	0.87
Acupal pus dubi us	2.00	0.00	11.11	0.00	1.0000	0.00
Acupal pus exi guus	2.00	-23.81	9.52	-2.50	0.2422	-3.13
Acupal pus meri di anus	5.00	-39.05	29.80	-1.31	0.2603	-2.19
Agonum asi atum	2.00	0.00	11.11	0.00	1.0000	0.00
Agonum dorsale	49.00	0.97	17.10	0.06	0.9551	0.11
Agonum moestum	4.00	0.69	10.66	0.07	0.9522	0.03
Agonum mucari s	12.00	-30.36	51.86	-0.59	0.5712	-0.35
Agonum obscurum	2.00	5.56	16.67	0.33	0.7952	0.33
Agonum thoreyi	1.00	22.22				3.15
Agonum vici dum	1.00	11.11				2.49
Amara aenea	24.00	-0.62	9.19	-0.07	0.9471	-0.45
Amara anthobi a	1.00	22.22				3.15
Amara apricari a	1.00	11.11				2.49
Amara aul ica	2.00	-15.97	17.36	-0.92	0.5265	-1.71
Amara bi frons	3.00	-34.39	16.30	-2.11	0.1693	-3.36
Amara comni s	14.00	2.88	7.35	0.39	0.7017	0.50
Amara consul aris	1.00	-11.11				-2.49
Amara convexi or	4.00	-0.35	6.62	-0.05	0.9615	-0.03
Amara eurynota	1.00	12.50				2.60
Amara fami liaris	16.00	0.56	7.42	0.08	0.9411	1.03
Amara ful va	1.00	-11.11				-2.49
Amara l unicoll is	12.00	-6.48	6.76	-0.96	0.3585	-0.52
Amara monti vaga	3.00	15.74	4.63	3.40	0.0767	2.75
Amara ovata	11.00	-17.55	6.26	-2.80	0.0186	-2.21
Amara pl ebei	4.00	8.72	8.72	0.49	0.6245	-0.06
Amara si milata	8.00	-1.56	9.04	-0.17	0.8677	-0.14
Amara speci es	5.00	-0.56	11.93	-0.05	0.9651	-0.89
Amara tibi ali s	1.00	-11.11				-2.49
Ani sodactyl us bi notatus	2.00	-11.11	0.00			-2.49

Asaphi di on cul um	3.00	0.69	11.81	0.06	0.9626	-0.05	2.55	0.07	0.9864
Asaphi di on fl avi pes	3.00	-9.63	17.98	-0.54	0.6458	-1.02	2.11	-0.48	0.6767
Asaphi di on spec ies	2.00	-0.69	11.81	-0.06	0.9626	-0.05	2.55	-0.02	0.9864
Asaphi di on st ier li ni	13.00	6.10	6.10	-0.25	0.8700	-0.55	0.80	-0.69	0.5033
Badi ster bull atus	13.00	-2.46	4.07	-0.60	0.5571	-0.14	0.74	-0.19	0.8521
Badi ster sodali s	7.00	-4.76	4.10	-1.16	0.2894	-1.07	0.92	-1.16	0.2894
Bembi di on aenum	20.00	3.68	11.45	0.32	0.7512	-0.66	0.61	-1.07	0.2960
Bembi di on bi guttat um	5.00	5.67	8.81	0.64	0.5546	1.05	1.15	0.92	0.4117
Bembi di on gi l vi pes	1.00	11.11					2.49		
Bembi di on gutt ul a	23.00	-5.78	5.30	-1.09	0.2870	-0.61	0.53	-1.16	0.2585
Bembi di on harpal oi des	1.00	11.11					2.49		
Bembi di on lampros	56.00	-4.13	32.50	-0.13	0.8992	-0.31	0.39	-0.79	0.4325
Bembi di on lunal atus	24.00	-2.27	10.26	-0.22	0.8272	-0.68	0.61	-1.11	0.2765
Bembi di on mannerhei mi	1.00	75.00					4.33		
Bembi di on obtusum	21.00	-2.35	6.44	-0.37	0.7187	-0.24	0.63	-0.38	0.7046
Bembi di on tinal atus	21.00	-2.65	16.38	0.77	0.4493	-1.15	0.72	-1.59	0.1278
Bembi di on quadri macul atum	24.00	-8.76	9.87	-0.89	0.3839	-0.03	0.59	-0.05	0.9630
Bembi di on tetracol um	15.00	71.56	41.48	1.72	0.1065	0.67	0.94	0.71	0.4872
Brachi nus crepi tans	2.00	377.78	500.00	0.76	0.5881	0.98	5.80	0.17	0.8931
Bradycel lus harpal i nus	1.00	-11.11					-2.49		
Bradycel lus verbas ci	1.00	-11.11					-2.49		
Cal athus fusc i pes	17.00	9.80	8.75	1.12	0.2793	0.81	0.64	1.26	0.2246
Cal athus mel anoceph al us	9.00	5.09	14.25	0.36	0.7300	0.51	1.05	0.49	0.6369
Cal athus pi ceus	2.00	-15.28	40.28	-0.38	0.7692	-0.39	3.65	-0.11	0.9324
Cal athus mel anoceph al us	1.00	11.11					2.49		
agg.	1.00	11.11					2.49		
Carabus granul atus	2.00	11.11	22.22	0.50	0.7048	0.52	3.02	0.17	0.8911
Carabus nem al is	2.00	-11.11					0.00		
Carabus vi ol aceous	15.00	-4.35	20.16	-0.22	0.8322	-1.34	0.68	-1.96	0.0701
Cli vi na fossor	26.00	2.08	3.37	0.62	0.5423	0.31	0.52	0.61	0.5505
Cychrus caraboi des	1.00	11.11					-2.49		
Demetri as atricap il lus	5.00	-11.39	0.28	-41.0	< .0001	-2.52	0.02	-116	< .0001
Dromi us llneari s	2.00	11.11					2.49		
Harpal us affi nis	35.00	-21.34	1.82	-2.73	0.0100	-1.50	0.42	-3.38	0.0018
Harpal us ardi osacus	2.00	-11.11					-2.49		
Harpal us paral lel us	1.00	-11.11					-2.49		
Harpal us punct ul us	1.00	-11.11					-2.49		
Harpal us rufi barbi s	18.00	-13.66	7.95	-1.72	0.1041	-0.79	0.70	-1.13	0.2750
Harpal us rufi pes	52.00	-23.50	26.34	-0.89	0.3764	-0.46	0.38	-1.24	0.2223
Harpal us sal i na	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Lei stus ferrugi neus	2.00	5.56	5.56	1.00	0.5000	1.25	1.25	1.00	0.5000
Lei stus ful vi barbi s	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Lei stus rufi mar i na	1.00	-11.11					-2.49		
Lei stus rufescens	1.00	11.11					2.49		
Lei stus spi ni barbi s	3.00	-18.52	16.14	-1.15	0.3701	-1.49	2.00	-0.74	0.5343
Loric era pi corni s	38.00	-19.78	22.85	-1.46	0.1699	-1.83	0.71	-2.37	0.0352
Metab letus foveatus	1.00	-22.22					-3.15		
Metab letus obscurogutt atus	12.00	1.16	6.79	0.17	0.8678	0.63	0.72	0.87	0.4037
Mi crolestes maurus	2.00	27.08	39.58	0.68	0.6180	0.81	3.41	0.24	0.8522
Nebri a brevicol li s	33.00	206.47	169.91	1.22	0.2332	0.58	0.45	1.29	0.2062
Nebri a sal i na	13.00	-33.36	22.85	-1.46	0.1699	-1.83	0.71	-2.37	0.0352
Nebri a brevicol li s/sal i na i ndet.	6.00	-0.93	10.19	-0.09	0.9311	-1.42	1.07	-1.33	0.2413
Noti ophi lus bi guttat us	33.00	-10.24	3.96	-2.58	0.0145	-0.86	0.42	-2.07	0.0466
Noti ophi lus pal ustri s	8.00	-2.95	4.62	-0.64	0.5437	-0.41	0.91	-0.45	0.6687
Noti ophi lus quadri punctatus	2.00	-11.81	0.69	-17.0	0.0374	-2.55	0.05	-46.9	0.0136
Noti ophi lus substri atus	5.00	-2.30	1.09	-0.32	0.7617	-0.89	1.14	-0.78	0.4770
Patrob us atrorufus	3.00	-25.93	18.52	-1.40	0.2965	-0.95	1.85	-0.52	0.6565
Pterosti chus anthraci nus	1.00	11.11					2.49		
Pterosti chus cupreus	41.00	27.25	54.89	0.50	0.6223	0.36	0.41	0.87	0.3870
Pterosti chus lon gi col li s	8.00	70.66	48.28	1.46	0.1867	2.67	0.71	3.75	0.0072
Pterosti chus macer	3.00	15.74	4.63	3.40	0.0767	2.75	0.25	10.79	0.0085
Pterosti chus madi dus	48.00	90.13	88.14	1.02	0.3117	-0.18	0.45	-0.40	0.6943
Pterosti chus mel anari us	56.00	-78.75	156.20	-0.50	0.6162	-0.13	0.26	-0.51	0.6109
Pterosti chus mi nor	2.00	-11.81	0.69	-17.0	0.0374	-2.55	0.05	-46.9	0.0136
Pterosti chus ni ger	28.00	16.77	13.11	1.28	0.2118	0.58	0.41	1.42	0.1672
Pterosti chus ni gri ta	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Pterosti chus spec ies	4.00	5.56	6.03	0.92	0.4247	1.25	1.28	0.97	0.4029

Species	N	Mean	StdErr	t	Prt	Mean	StdErr	t	Prt	
Pterostichus strenuus	33	0.00	4.51	8.27	0.55	0.5895	-0.45	1.36	0.1824	
Pterostichus vernalis	18	0.00	1.50	6.58	0.23	0.8227	0.96	0.56	1.73	0.1018
Pterostichus versicolor	7	0.00	108.13	74.03	1.46	0.1944	1.25	1.45	0.86	0.4215
Stomis punctatus	20	2.74	4.49	0.62	0.544	0.61	-0.74	0.4660		
Synuchus ni valis	22	0.00	3.41	14.34	0.24	0.8145	-0.22	0.55	-0.41	0.6895
Trechus discus	1	0.00	-11.11			-2.49				
Trechus micros	1	0.00	-11.11			-2.49				
Trechus quadristriatus	36	0.00	-14.85	12.09	-1.23	0.2275	0.23	0.48	0.48	0.6327
Trechus secalis	4	0.00	-5.56	29.57	-0.19	0.8630	0.06	1.48	0.04	0.9688

c) Field carabids after harvest.

Species	N	Mean	StdErr	t	Prt	Mean	StdErr	t	Prt	
Abax parallelipipedus	8	0.00	57.64	58.61	0.98	0.3581	0.73	1.15	0.64	0.5449
ACDUB	1	0.00	11.11			-2.49				
Agonum dorsale	4	0.00	22.22	37.13	0.60	0.5917	-0.81	1.91	-0.42	0.7005
Amara aenea	1	0.00	-11.11			-2.49				
Amara apricaria	2	0.00	27.78	16.67	1.67	0.3440	3.16	0.66	4.77	0.1315
Amara aulica	1	0.00	-11.11			-2.49				
Amara bifrons	3	0.00	7.41	9.80	0.76	0.5285	-0.05	1.78	0.59	0.6158
Amara eurynota	2	0.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Amara familiaris	2	0.00	11.11	0.00		2.49	0.00			
Amara ovata	2	0.00	16.67	5.56	3.00	0.2048	0.33	8.66	0.0732	
Amara plebeja	9	0.00	-3.70	9.80	-0.38	0.7153	-0.63	0.96	-0.65	0.5335
Amara similata	3	0.00	44.44	27.96	1.59	0.2529	2.03	2.26	0.90	0.4644
Amara speciosa	1	0.00	-11.11			-2.49				
Badister bullatus	1	0.00	-11.11			-2.49				
Bembidion aenum	10	0.00	1.11	9.29	0.12	0.9074	0.50	1.01	0.50	0.6303
Bembidion fuscum	9	0.00	9.52	8.20	1.16	0.2894	-0.41	1.05	0.39	0.7110
Bembidion lampros	27	0.00	23.05	19.71	1.17	0.2529	-0.24	0.51	-0.48	0.6382
BEMLU	1	0.00	22.22			3.15				
Bembidion lunatum	12	0.00	-3.59	4.64	-0.77	0.4556	-0.34	0.79	-0.43	0.6754
Bembidion obtusum	12	0.00	-7.64	6.71	-1.14	0.2790	-0.83	0.74	-1.12	0.2861
Bembidion properans	4	0.00	11.11	0.00		2.49	0.00			
Bembidion quadrimaculatum	3	0.00	3.70	7.41	0.50	0.6667	0.83	1.66	0.50	0.6667
Bembidion quadripustulatum	1	0.00	-11.11			-2.49				
Bembidion tetracolum	2	0.00	41.48	2.09	0.1049	-2.98	0.73	-4.06	0.0154	
Bradycellus verbasci	2	0.00	11.11	0.00		2.49	0.00			
Calathus cinctus	2	0.00	-33.33	22.22	-1.50	0.3743	-3.26	0.77	-4.24	0.1476
Calathus fuscipes	19	0.00	17.91	15.23	1.48	0.1553	0.27	0.85	0.39	0.7588
Calathus melanocephalus	1	0.00	-11.11			-2.49				
Carabus violaceus	6	0.00	5.56	26.25	0.21	0.8408	-1.36	1.27	-1.07	0.3344
Clivina fossor	10	0.00	-4.44	9.10	-0.49	0.6370	-0.13	1.00	-0.13	0.8919
Cychrus caraboides	2	0.00	-11.11	0.00		-2.49	0.00			
Demetrius atricapillus	1	0.00	-11.11			-2.49				
Harpalus affinis	7	0.00	-9.52	12.70	-0.75	0.4816	-0.22	1.16	-0.19	0.3316
Harpalus rufibarbis	1	0.00	-11.11			-2.49				
Harpalus rufipes	20	0.00	35.76	25.97	1.38	0.1844	0.85	0.61	1.41	0.1750
Leistus ferrugineus	3	0.00	-25.93	22.53	-1.15	0.3688	-1.52	2.08	-0.78	0.5173
Leistus fulvibarbis	4	0.00	-5.56	10.64	-0.52	0.6376	-0.26	1.60	-0.16	0.8813
Leistus spinibarbis	12	0.00	-2.55	13.31	-0.19	0.8518	-0.22	0.94	-0.23	0.8227
Loricera pilicornis	10	0.00	5.56	5.80	0.96	0.3629	0.63	0.80	0.78	0.4528
Nebria brevicollis	36	0.00	70.45	34.12	2.06	0.0464	0.75	0.34	2.19	0.0356
Nebria salina	25	0.00	-96.89	42.18	-2.30	0.0306	-1.57	0.51	-3.08	0.0051
Nebria brevicollis/salina indet.	12	0.00	-0.93	5.00	-0.19	0.8564	-0.08	0.72	-0.11	0.9175
Notiophilus biguttatus	24	0.00	-10.13	4.85	-2.09	0.0483	-1.15	0.53	-2.17	0.0410
Notiophilus palustris	2	0.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Notiophilus quadripunctatus	1	0.00	-11.11			-2.49				
Notiophilus substriatus	1	0.00	-11.11			-2.49				
Patrobus atrorufus	2	0.00	16.67	27.78	0.60	0.6560	0.66	3.16	0.21	0.8685
Pterostichus cupreus	26	0.00	50.85	19.28	2.64	0.0142	1.54	0.50	3.07	0.0051
Pterostichus longicollis	1	0.00	-11.11			-2.49				
Pterostichus macer	1	0.00	-11.11			-2.49				

Pterostichus madidus	23.00	40.70	61.82	0.66	0.5171	-0.03	0.71	-0.05	0.9618
Pterostichus melanarius	38.00	-100.9	106.13	-0.95	0.3480	-1.07	0.44	-2.44	0.0196
Pterostichus niger	8.00	-23.61	40.79	-0.58	0.5809	-1.09	1.25	-0.87	0.4111
Pterostichus strenuus	4.00	0.00	6.42	0.00	1.0000	0.00	1.44	0.00	1.0000
Pterostichus vernalis	2.00	16.67	5.56	3.00	0.2048	2.82	0.33	8.66	0.0732
Pterostichus versicolor	4.00	5.56	5.56	1.00	0.3910	1.25	1.25	1.00	0.3910
Stomil pumicatus	3.00	-33.33	22.22	-1.50	0.2724	-3.12	0.62	-5.00	0.0378
Synuchus niwallis	15.00	-22.13	13.84	-1.60	0.1320	-1.23	0.78	-1.57	0.1376
Trechus quadristriatus	37.00	-85.66	55.08	-1.56	0.1286	-0.62	0.33	-1.87	0.0702
Zabrus tenebrioides	1.00	66.67				4.21			

d) Boundary carabids after harvest.

Species	Mean Difference				d value (Mean Diff on Log scale)				
	N	Mean	StdErr	t	Prt	Mean	StdErr	t	Prt
Abax parallel epipedus	13.00	-1.85	5.98	-0.31	0.7625	-0.75	0.81	-0.93	0.3737
Agonum dorsale	14.00	1.59	10.06	0.16	0.8770	-0.46	0.70	-0.66	0.5195
Agonum moestum	1.00	11.11				-2.49			
Amara aenea	4.00	17.01	13.94	1.22	0.3094	1.66	1.43	1.16	0.3293
Amara aulica	5.00	13.33	20.31	0.66	0.5473	0.64	1.59	0.40	0.7078
Amara bifrons	2.00	-11.11				0.00			
Amara communis	2.00	0.69	11.81	0.06	0.9626	0.05	2.55	0.02	0.9864
Amara consularis	1.00	-11.11				-2.49			
Amara eurynota	1.00	-11.11				-2.49			
Amara familiaris	3.00	1.85	9.26	0.20	0.8600	0.71	1.79	0.39	0.7313
Amara lunicollis	1.00	12.50				2.60			
Amara pliebei	11.00	1.89	6.17	0.31	0.7653	0.48	0.83	0.58	0.5768
Amara similata	3.00	1.85	15.82	0.12	0.9175	-0.61	2.08	-0.29	0.7966
Asaphidion stierlini	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Badiaster	5.00	5.56	5.56	1.00	0.3910	-1.25	1.25	-1.00	0.3910
Bembidion aenum	5.00	-2.50	3.94	-0.63	0.5600	-0.89	0.66	-1.34	0.2508
Bembidion biguttatum	3.00	3.70	7.41	0.50	0.6667	0.83	1.66	0.50	0.6667
Bembidion guttatum	4.00	6.42	6.42	1.00	0.3910	-1.25	1.25	-1.00	0.3910
Bembidion harpaloides	3.00	-11.11				-2.49			
Bembidion lampros	33.00	13.68	25.25	0.54	0.5918	0.12	0.39	0.31	0.7584
Bembidion laticolle	6.00	-6.42	4.00	-0.46	0.6505	-0.74	0.54	-1.35	0.1906
Bembidion obtusum	5.00	-8.89	5.44	-1.63	0.1778	-1.63	1.04	-1.57	0.1921
Bembidion properans	7.00	14.09	8.74	1.61	0.1583	1.46	1.05	1.39	0.2151
Bembidion quadrimaculatum	21.00	-12.30	9.61	-1.28	0.2153	-0.59	0.64	-0.92	0.3682
Bembidion tetracolum	6.00	-118.5	52.40	-2.26	0.0732	-4.19	0.51	-8.18	0.0004
Bradycellus harpalinus	1.00	-11.11				-2.49			
Bradycellus verbasci	8.00	-13.89	1.82	-7.64	0.0001	-2.66	0.11	-24.9	<.0001
Calathus cinctus	1.00	-11.11				-2.49			
Calathus fuscipes	16.00	80.38	68.21	1.18	0.2570	0.30	0.98	0.30	0.7675
Calathus melanocephalus	5.00	16.11	2.51	6.42	0.0030	2.80	0.14	19.55	<.0001
Carabus granulatus	1.00	12.50				2.60			
Carabus nemoralis	2.00	-11.11				-2.49			
Carabus violaceus	7.00	-26.79	18.95	-1.41	0.2072	-1.57	1.01	-1.55	0.1717
Clivina fossor	1.00	-1.39				-0.11			
Demetrius atricapillus	4.00	-8.33	2.78	-3.00	0.0577	-1.87	0.62	-3.00	0.0577
Dromius linearis	3.00	-3.70	7.41	-0.50	0.6667	-0.83	1.66	-0.50	0.6667
Harpalus affinis	5.00	-6.67	4.80	-1.39	0.2371	-1.50	1.03	-1.46	0.2181
Harpalus ardosiacus	1.00	-11.11				-2.49			
Harpalus rufibarbis	1.00	-12.50				-2.60			
Harpalus rufipes	16.00	12.24	27.67	0.44	0.6646	-0.51	0.70	-0.73	0.4782
Harpalus tardus	1.00	-11.11				-2.49			
Leistus ferrugineus	25.00	-4.00	4.93	-0.81	0.4247	0.09	0.50	0.18	0.8621
Leistus fulvibarbis	7.00	-2.98	5.36	-0.56	0.5986	-0.43	1.05	-0.41	0.6943
Leistus rufimarginatus	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Leistus rufescens	2.00	5.56	16.67	0.33	0.7952	0.33	2.82	0.12	0.9268
Leistus spini-barbis	8.00	-18.23	17.04	-1.07	0.3203	-0.87	0.86	-1.00	0.3489
LERER	2.00	5.56	16.67	0.33	0.7952	0.33	2.82	0.12	0.9268
Loricera pilicornis	7.00	-4.76	4.85	-0.98	0.3639	-0.81	0.94	-0.86	0.4238
Metabletus obscuroguttatus	3.00	-3.70	7.41	-0.50	0.6667	-0.83	1.66	-0.50	0.6667
Microllestes maurus	1.00	-11.11				-2.49			
Nebria brevicollis	30.00	1.57	23.14	0.07	0.9462	0.21	0.54	0.38	0.7032
Nebria salina	16.00	2.69	12.41	0.22	0.8312	-0.90	0.71	-1.27	0.2237

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Nebria
brevicollis/salina
indet. 4.00, -11.46, 9.08, -1.26, 0.2961, -1.53, 1.36, -1.13, 0.3422,
Notiophilus biguttatus 8.00, -1.56, 4.95, -0.32, 0.7614, -0.56, 0.96, -0.58, 0.5805,
Notiophilus palustris 2.00, -0.00, 11.11, 0.00, 1.0000, -0.00, 2.49, 0.00, 1.0000,
Patrobis atrorufus 4.00, 2.08, 9.03, 0.23, 0.8323, 1.06, 1.44, 0.73, 0.5159,
Pterostichus cupreus 25.00, 32.06, 14.44, 2.22, 0.0361, 1.28, 0.53, 2.41, 0.0239,
Pterostichus macer 1.00, 11.11, -2.49,
Pterostichus madidus 22.00, -28.66, 29.65, -0.97, 0.3448, -0.74, 0.75, -0.99, 0.3326,
Pterostichus melanarius 34.00, -43.87, 33.65, -1.30, 0.2013, -0.77, 0.50, -1.54, 0.1331,
Pterostichus niger 11.00, -14.27, 18.42, -0.77, 0.4565, -0.80, 0.92, -0.87, 0.4041,
Pterostichus strenuus 8.00, -25.35, 14.00, -1.81, 0.1131, -2.05, 0.39, -5.26, 0.0012,
Pterostichus vernalis 5.00, 6.67, 10.89, 0.61, 0.5734, 1.50, 1.27, 1.17, 0.3054,
Pterostichus versicolor 2.00, 16.67, 27.78, 0.60, 0.6560, 0.66, 3.16, 0.21, 0.8685,
Stomis pumicatus 1.00, -11.11, -2.49,
Synuchus nivalis 9.00, -13.58, 6.69, -2.03, 0.0768, -1.64, 0.66, -2.51, 0.0366,
Trechus quadricollis 35.00, -17.78, 19.91, -0.89, 0.3789, -1.08, 0.39, -2.76, 0.0092
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e) Field spiders before harvest.

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Mean Difference
( /trap/farm x 100)
d value (Mean diff on log-,
scale)
N Mean StDev Prt Mean StDev Prt
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Species
Agroeca brunnea 1.00, -12.50, -2.60,
Agyneta decora 1.00, 0.00, 0.00,
Allothea vi dua 1.00, -11.11, -2.49,
Alpeocosa pulverulenta 18.00, 28.60, 17.24, 1.66, 0.1155, 1.94, 0.52, 3.69, 0.0018,
Araeoncus humilis 9.00, -31.64, 16.80, -1.88, 0.0965, -1.55, 1.11, -1.39, 0.2012,
Arctosa leopardus 2.00, 0.00, 11.11, 0.00, 1.0000, 0.00, 2.49, 0.00, 1.0000,
Bathypantes gracilis 52.00, -21.21, 9.52, -2.23, 0.0303, -0.32, 0.27, -1.17, 0.2471,
Bathypantes parvulus 29.00, -9.10, 3.01, -3.02, 0.0063, -1.39, 0.39, -3.94, 0.0014,
Ceratella brevipis 1.00, -11.11, -2.49,
Cubiona lutescens 1.00, 11.11, 2.49,
Cubiona neglecta 1.00, -11.11, -2.49,
Cubiona pallidula 1.00, 20.00, 3.04,
Cubiona reclusa 5.00, -11.39, 0.28, -41.0, <.0001, -2.52, 0.02, -116, <.0001,
Cubiona terrestris 1.00, -11.11, -2.49,
Dicycnum nigrum 15.00, 6.17, 4.21, 1.47, 0.1647, 0.80, 0.67, 1.19, 0.2525,
Dicycnum tibiale 1.00, -22.22, -3.15,
Diplosyla concolor 42.00, -26.52, 23.55, -1.13, 0.2667, -0.35, 0.35, -1.23, 0.2248,
Diplocephalus criatus 2.00, -4.86, 17.36, -0.28, 0.8262, -0.27, 2.87, -0.09, 0.9401,
Dismodicus bifrons 4.00, -14.24, 6.95, -2.05, 0.1331, -2.16, 0.76, -2.85, 0.0649,
Drassodes cupreus 2.00, -11.11, -2.49, 0.00,
Drassylus praeficus 1.00, 12.50, 2.60,
Drassylus pusillus 10.00, 3.99, 5.41, 0.74, 0.4798, 0.99, 0.78, 1.27, 0.2365,
Drepanotylus unca 1.00, 11.11, 2.49,
Dysdera crocata 1.00, -1.39, -0.11,
Dysdera erythrina 1.00, -12.50, -2.60,
Enoplognatha ovata 5.00, 2.22, 5.44, 0.41, 0.7040, 0.50, 1.22, 0.41, 0.7040,
E. ovata/laminata 1.00, -11.11, -2.49,
Entelocara flavipes 1.00, -11.11, -2.49,
Erigone atra 58.00, -72.22, 51.95, -1.39, 0.1699, -0.20, 0.18, -1.10, 0.2752,
Erigone dentipalis 54.00, 38.25, 30.23, 1.27, 0.2113, 0.59, 0.33, 1.77, 0.0831,
Erigone promiscua 2.00, -16.67, 5.56, -3.00, 0.2048, -2.82, 0.33, -8.66, 0.0732,
Gonatum rubens 1.00, -12.50, -2.60,
Gongylidiolum vivum 2.00, -16.67, 5.56, -3.00, 0.2048, -2.82, 0.33, -8.66, 0.0732,
Hahnia nava 4.00, 24.65, 19.13, 1.29, 0.2879, 1.85, 1.53, 1.21, 0.3142,
Lepthyphantes ericaeus 2.00, 0.00, 11.11, 0.00, 1.0000, 0.00, 2.49, 0.00, 1.0000,
Lepthyphantes flavipes 1.00, 11.11, 2.49,
Lepthyphantes pallidus 2.00, 0.00, 11.11, 0.00, 1.0000, 0.00, 2.49, 0.00, 1.0000,
Leptorhoptrum robustum 5.00, 1.94, 9.00, 0.22, 0.8395, -0.31, 1.37, -0.23, 0.8308,
Lepthyphantes tenuis 57.00, -21.04, 8.93, -2.36, 0.0220, -0.57, 0.18, -3.12, 0.0029,
Lepthyphantes
zimmermanni 8.00, -7.29, 5.68, -1.28, 0.2398, -0.88, 0.99, -0.89, 0.4043,
Meioneta beata 1.00, -11.11, -2.49,
Meioneta rurestris 29.00, 11.44, 9.57, 1.20, 0.2417, 0.22, 0.51, 0.43, 0.6721,
Meioneta saetilis 8.00, 6.64, 6.94, 1.00, 0.3506, 0.91, 0.57, 0.5841,
Mircragus herbi gradus 4.00, 0.00, 6.42, 0.00, 1.0000, 0.00, 1.44, 0.00, 1.0000,
Mircaria pulcra 3.00, 3.70, 7.41, 0.50, 0.6667, 1.45, 1.05, 1.38, 0.3019,
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Millieriana inerrans	39.00	-0.82	10.42	-0.08	0.9381	-0.43	0.44	-0.99	0.3285
Monoccephalus fuscipes	1.00	-11.11							-2.49
Neottia urticae	1.00	-11.11							-2.49
Nerine clathrata	2.00	-16.67	5.56	-3.00	0.2048	-2.82	0.33	-8.66	0.0732
Oedothorax agrestis	3.00	11.11	19.25	0.58	0.6220	1.06	2.13	0.49	0.6700
Oedothorax fuscus	47.00	42.56	17.68	2.41	0.0202	0.68	0.35	1.95	0.0568
Oedothorax gibbosus	4.00	-26.98	19.53	-1.38	0.2609	-1.92	1.59	-1.20	0.3155
Oedothorax retusus	49.00	22.89	14.06	1.63	0.1100	0.42	0.38	1.12	0.2693
Ostearius melanopygus	2.00	-11.81	0.69	-17.0	0.0374	-2.55	0.05	-46.9	0.0136
OZYBRE	1.00	-11.11							-2.49
Ozyptila pratensis	3.00	0.00	11.11	0.00	1.0000	0.51	1.88	0.33	0.7748
Ozyptila simplex	1.00	11.11							2.49
Pachynatha clercki	7.00	0.00	5.56	0.00	1.0000	-0.26	1.07	-0.25	0.8134
Pachynatha degeeri	43.00	1.30	5.49	0.24	0.8136	-0.09	0.37	0.25	0.8067
Pardosa agrestis	3.00	151.85	103.70	1.46	0.2807	2.72	2.62	1.04	0.4087
Pardosa amentata	38.00	48.81	13.81	3.53	0.0011	1.64	0.37	4.48	<.0001
Pardosa monticola	6.00	73.84	40.94	1.80	0.1311	2.93	1.18	2.48	0.0558
Pardosa nigriceps	2.00	11.11	0.00						2.49
Pardosa palustris	47.00	142.12	36.80	3.86	0.0004	1.84	0.42	4.42	<.0001
Pardosa platticola	48.00	38.38	14.83	2.59	0.0128	0.24	0.33	0.71	0.4798
Pardosa proxima	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Pardosa pulchra	34.00	16.55	7.60	2.18	0.0366	0.82	0.39	2.11	0.0427
Pardosa salicis	1.00	66.67							2.49
Pardosa sp.	1.00	155.56							1.71
Peccopsis parallela	2.00	-0.69	11.81	-0.06	0.9626	-0.05	2.55	-0.02	0.9864
Phrurolithus festus	2.00	22.22							2.49
Pirata hygrophilus	4.00	11.11	0.00						2.49
Pirata latitans	5.00	6.67	7.54	0.88	0.4263	0.76	1.33	0.57	0.5996
Pisaura monticola	4.00	-5.56	5.56	-1.00	0.3910	-1.23	-1.00	0.3910	
Pocadicnemis juncea	5.00	9.52	2.79	3.41	0.0269	2.04	0.54	3.79	0.0193
Pocadicnemis pumilla	2.00	-5.56	16.67	-0.33	0.7952	-0.33	2.82	-0.12	0.9268
Porrhoma erici	1.00	-11.11							2.49
Porrhoma micropthalma	9.00	-3.51	4.35	-0.81	0.4434	-0.61	0.85	-0.72	0.4907
Porrhoma pygmaeum	4.00	-2.78	8.33	-0.33	0.7608	-0.16	1.54	-0.11	0.9225
Robertus arundineti	1.00	-11.11							-0.39
Robertus lividus	7.00	-6.55	4.80	-1.36	0.2214	-1.18	0.95	-1.24	0.2624
Robertus senecioata	2.00	-16.67	5.56	-3.00	0.2048	-2.82	0.33	-8.66	0.0732
Saari stoa abnormis	1.00	11.11							2.49
Savignya frontata	26.00	-13.87	6.75	-2.05	0.0506	-0.95	0.47	-2.00	0.0560
Segestria senecioata	2.00	-12.70	1.59	-8.00	0.0792	-2.51	0.12	-22.4	0.0284
Spilargus unidentifidus	4.00	34.72	14.05	2.47	0.0900	3.28	0.46	7.15	0.0056
Tetragnatha obtusa	1.00	11.11							2.49
Tetragnatha sp.	1.00	11.11							2.49
Theridion speciosum	1.00	11.11							2.49
Trochosa ruricola	33.00	10.53	6.88	1.53	0.1355	0.98	0.41	2.39	0.0228
Trochosa scaberrima	1.00	-11.11							-2.49
Trochosa terricola	3.00	-3.70	7.41	-0.50	0.6667	-0.83	1.66	-0.50	0.6667
Walckenaeria antica	3.00	6.20	9.70	0.64	0.5879	0.98	1.80	0.54	0.6408
Walckenaeria atrorhinalis	9.00	1.08	5.10	0.21	0.8376	-0.14	0.94	-0.15	0.8817
Walckenaeria nudipalpis	18.00	-5.69	3.86	-1.48	0.1584	-0.82	0.57	-1.43	0.1702
Walckenaeria unicolor	1.00	-11.11							-2.49
Walckenaeria vitigallus	9.00	-0.24	6.38	-0.04	0.9706	-0.44	0.84	-0.53	0.6121
Xysticus cristatus	3.00	-4.17	7.65	-0.54	0.6406	-0.87	1.68	-0.52	0.6572
Xysticus kochi	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Xysticus sp.	1.00	11.11							2.49
Zelotes latreillei	1.00	-11.11							-2.49
Zelotes neimature	1.00	-11.11							-2.49
Zora spini mana	2.00	11.11	0.00						2.49

f) Boundary spiders before harvest.

Species	N	Mean	StdErr	t	Prt	Mean	StdErr	t	Prt
Agroeca brunnea	1.00	-11.11				-2.49			

<i>Agyneta decora</i>	1.00	11.11				2.49			
<i>Agyneta ramosa</i>	1.00	-22.22							
<i>Agyneta sp.</i>	1.00	-11.11				-2.49			
<i>Allopecosa pulverulenta</i>	33.00	53.25	30.41	1.75	0.0895	1.00	0.52	1.91	0.0650
<i>Araeoncus humilis</i>	8.00	-11.46	5.66	-2.02	0.0828	-1.55	0.89	-1.74	0.1258
<i>Arctosa leopardus</i>	1.00	11.11				2.49			
<i>Bathypantes gracilis</i>	50.00	7.26	5.63	1.29	0.2031	0.56	0.31	1.80	0.0780
<i>Bathypantes parvulus</i>	24.00	-1.11	0.19	-0.18	0.8596	0.57	0.57	1.00	0.3271
<i>Centromerita bicolor</i>	1.00	11.11				2.49			
<i>Centromerus sylvaticus</i>	1.00	-11.11				-2.49			
<i>Ceratiella brevipis</i>	1.00	-11.11				-2.49			
<i>Ceratiella scabrosa</i>	2.00	11.11	0.00			2.49	0.00		
<i>Ciubiona lutescens</i>	3.00	3.70	1.41	0.50	0.6667	0.83	1.66	0.50	0.6667
<i>Ciubiona rectusa</i>	4.00	5.90	5.68	1.04	0.3752	0.27	1.26	1.01	0.3852
<i>Dicybium nigrum</i>	12.00	1.74	4.93	0.35	0.7313	0.54	0.78	0.69	0.5022
<i>Dicybium tibiale</i>	4.00	-19.44	12.32	-1.58	0.2126	-1.80	0.91	-1.96	0.1445
<i>Diptynia uncinata</i>	1.00	11.11				2.49			
<i>Diplotylax concolor</i>	49.00	-18.50	20.88	-0.89	0.3800	-0.09	0.29	-0.31	0.7607
<i>Diplotylax criatus</i>	5.00	-17.78	8.31	-2.14	0.0993	-2.04	1.15	-1.78	0.1503
<i>Diplotylax latifrons</i>	7.00	-0.99	1.54	-0.13	0.8996	-0.90	0.93	-0.97	0.3703
<i>Diplotylax picinus</i>	2.00	-11.11	0.00			-2.49	0.00		
<i>Dismodicus bifrons</i>	5.00	-5.56	6.09	-0.91	0.4130	-0.10	1.06	-1.04	0.3561
<i>Drassodes cupreus</i>	1.00	-22.22				-3.15			
<i>Drassodes lapidosus</i>	1.00	12.50				2.60			
<i>Drassylus pusillus</i>	17.00	-12.38	6.57	-1.88	0.0779	-0.86	0.61	-1.40	0.1801
<i>Dysdera crocata</i>	1.00	33.33				3.54			
<i>Dysdera erythrina</i>	5.00	-2.78	11.04	-0.25	0.8138	0.27	1.50	0.18	0.8671
<i>Enoplognatha ovata</i>	6.00	0.23	5.08	0.05	0.9654	0.02	1.12	0.02	0.9878
<i>E. ovata/laminata</i>	3.00	-3.70	1.41	-0.50	0.6667	-0.83	1.66	-0.50	0.6667
<i>Enoplognatha thoracica</i>	1.00	-11.11				-2.49			
<i>Enteleganthe acuminata</i>	1.00	11.11				2.49			
<i>Epiplatys angulatus</i>	1.00	11.11				2.49			
<i>Erigone atra</i>	56.00	-38.80	43.51	-0.89	0.3765	-0.24	0.31	-0.77	0.4433
<i>Erigone dentipalpis</i>	49.00	-1.06	15.41	-0.73	0.4685	-0.03	0.40	-0.08	0.9338
<i>Erigone punctata</i>	24.00	-0.29	0.79	0.18	0.2903	0.13	1.63	0.1634	
<i>Erigonella hiemalis</i>	3.00	15.74	4.63	3.40	0.0767	2.75	0.25	10.79	0.0085
<i>Erigone promiscua</i>	1.00	-100.0				-4.62			
<i>Ero cambridgei</i>	1.00	11.11				2.49			
<i>Gonatus rubens</i>	1.00	-1.39				-0.11			
<i>Gonyllia deluvium</i>	4.00	4.76	6.35	0.75	0.5077	1.19	1.31	0.91	0.4295
<i>Hahnia maculipes</i>	6.00	42.82	36.23	18.00	0.2903	0.84	1.13	1.63	0.1634
<i>Haplodrassus signifer</i>	2.00	5.56	16.67	0.33	0.7952	0.33	2.82	0.12	0.9268
<i>Hypomma bi-tuberculatum</i>	1.00	-12.50				-2.60			
<i>Larinioides cornutus</i>	1.00	-11.11				-2.49			
<i>Lepthyphantes ericaeus</i>	3.00	7.41	16.14	0.46	0.6914	0.96	2.08	0.46	0.6886
<i>Lepthyphantes flavipes</i>	1.00	22.22				3.15			
<i>Lepthyphantes mengi</i>	2.00	11.11	0.00			2.49	0.00		
<i>Lepthyphantes pallidus</i>	4.00	-15.03	2.48	-6.05	0.0091	-2.74	0.14	-19.2	0.0003
<i>Leptorhoptrum robustum</i>	4.00	11.81	8.21	1.44	0.2459	1.60	1.38	1.16	0.3286
<i>Lepthyphantes</i>	6.00	6.26	8.01	0.79	0.4376	0.20	2.40	0.0198	
<i>Lepthyphantes zimmermanni</i>	2.00	11.11	0.00			2.49	0.00		
<i>Maso sundevalli</i>	2.00	16.67	5.56	3.00	0.2048	2.82	0.33	8.66	0.0732
<i>Meioneta beata</i>	2.00	0.69	11.81	0.06	0.9626	0.05	2.55	0.02	0.9864
<i>Meioneta rurestris</i>	16.00	-4.77	9.10	-0.52	0.6075	-0.75	0.72	-1.05	0.3119
<i>Meioneta saxatilis</i>	24.00	1.03	4.27	0.24	0.8109	0.04	0.52	0.09	0.9326
<i>Melilla merlanae</i>	1.00	-11.11				-2.49			
<i>Micragrus herbi gradus</i>	25.00	-0.56	3.65	-0.15	0.8804	0.30	0.53	0.57	0.5742
<i>Micraria pulcra</i>	10.00	-3.47	5.61	-0.62	0.5513	-0.16	0.91	-0.18	0.8645
<i>Micragrus subaequalis</i>	28.00	30.20	23.56	1.28	0.2107	0.75	0.47	1.59	0.1231
<i>Microneta viaria</i>	1.00	-11.11				-2.49			
<i>Millierana inerrans</i>	22.00	-2.53	6.12	-0.41	0.6839	-0.03	0.62	-0.05	0.9606
<i>Monocephalus fuscipes</i>	10.00	-11.39	8.95	-1.27	0.2351	-1.05	0.93	-1.13	0.2893
<i>Neottiura bimaculata</i>	8.00	-2.18	5.14	-0.42	0.6840	-0.60	0.97	-0.62	0.5566
<i>Nerenea clathrata</i>	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
<i>Oedothorax agrestis</i>	2.00	-6.94	18.06	-0.38	0.7662	-0.38	2.88	-0.13	0.9159
<i>Oedothorax apicatus</i>	30.00	-10.99	24.43	-0.45	0.6563	0.01	0.59	0.01	0.9928
<i>Oedothorax fuscus</i>	39.00	21.18	14.44	1.47	0.1508	0.72	0.44	1.65	0.1065
<i>Oedothorax retusus</i>	39.00	-14.28	17.42	-0.82	0.4173	0.16	0.47	0.35	0.7251
<i>Ostearius melanopygius</i>	3.00	-3.70	8.11	-0.46	0.6928	-0.83	1.72	-0.48	0.6761
<i>Ozypilla pratensis</i>	7.00	-2.04	4.83	-0.42	0.6876	0.39	1.03	-0.38	0.7190
<i>Ozypilla sanctuarii</i>	1.00	11.11				2.49			

Ozyptila sp.	1.00	-11.11							
Pachygnatha clercki	4.00	0.00	6.42	0.00	1.0000	0.00	1.44	0.00	1.0000
Pachygnatha degeeri	48.00	-11.02	10.17	-1.08	0.2841	0.15	0.33	0.46	0.6490
Panamomops sulci frontis	50.00	37.50	16.49	2.27	0.0854	3.24	0.46	1.09	0.0021
Pardosa agrestis	3.00	47.22	18.07	2.61	0.1206	2.85	0.71	4.02	0.0567
Pardosa amentata	47.00	17.27	24.29	0.71	0.4806	-0.01	0.38	-0.02	0.9878
Pardosa monticola	3.00	29.17	29.86	0.98	0.4317	1.49	2.08	0.72	0.5463
Pardosa nigriceps	13.00	-1.71	7.13	-0.24	0.8147	0.15	0.65	0.23	0.8239
Pardosa palustris	47.00	136.37	53.53	2.55	0.0143	0.84	0.41	2.06	0.0451
Pardosa piratica	50.00	-27.20	35.36	-0.77	0.4455	-0.02	0.32	-0.06	0.9547
Pardosa proxima	3.00	-11.11	11.11	-1.00	0.4226	0.35	1.09	0.32	0.7773
Pardosa pulchra	45.00	47.89	25.21	1.90	0.0641	0.25	0.43	0.58	0.5681
Pardosa saltans	2.00	-33.33	22.22	-1.50	0.3743	-3.26	0.77	-4.24	0.1476
Pardosa sp.	1.00	188.89				5.25			
Phidolomus dispar	1.00	11.11				2.49			
Phrurolithus festivus	2.00	3.91	18.25	0.22	0.8637	0.21	2.94	0.07	0.9547
Pirata hygrophilus	5.00	-2.22	5.44	-0.41	0.7040	-0.50	1.22	-0.41	0.7040
Pirata latitans	3.00	22.22	6.42	3.46	0.0742	3.06	0.30	10.06	0.0097
Pirata piraticus	3.00	12.50				2.60			
Pirata sp.	1.00	-12.50				-2.60			
Pirata uliginosus	1.00	-11.11				-2.49			
Pisaura mirabilis	4.00	5.56	5.56	1.00	0.3910	-0.25	1.25	1.00	0.3910
Pocadicnemis juncea	16.00	5.12	4.37	1.17	0.2592	0.87	0.56	1.54	0.1444
Pocadicnemis pumila	5.00	8.89	5.44	1.63	0.1778	1.63	1.04	1.57	0.1921
Porrhomba egeria	1.00	-14.29				-2.60			
Porrhomba microphthalma	3.00	12.04	11.60	1.04	0.4085	1.30	1.90	0.69	0.5634
Porrhomba pygmaea	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Robertus arundineti	1.00	-22.22				-3.15			
Robertus lividus	15.00	-0.83	4.11	-0.20	0.8424	-0.17	0.72	-0.23	0.8213
Saaria stoa abnormis	9.00	0.35	4.66	-0.08	0.9415	-0.03	0.68	-0.03	0.9772
Savignyna frontata	15.00	-8.73	3.62	-2.41	0.0302	-1.35	0.58	-2.32	0.0360
Segestria senoculata	1.00	-11.11				-2.49			
Simonisidori	5.00	15.56	21.55	0.72	0.5101	-0.44	1.46	-0.32	0.7680
Sydera gracilis	10.00	5.00	8.46	0.59	0.5692	0.58	1.01	0.57	0.5812
Tallosia experta	1.00	25.00				3.26			
Textrix dentata	3.00	3.70	7.41	0.60	0.6667	0.22	1.46	0.15	0.8952
Thanatus stratus	1.00	-12.50				-2.60			
Ti sovagans	4.00	-15.63	12.67	-1.23	0.3053	-1.63	1.41	-1.16	0.3317
Trachyzelotes pedestris	2.00	-11.11	0.00			-2.49	0.00		
Trochosa ruricola	26.00	-2.81	6.57	-0.43	0.6722	-0.20	0.53	-0.37	0.7120
Troxochrus scabirulus	4.00	-11.11	13.61	-0.82	0.4740	-0.49	1.73	-0.29	0.7941
Trochosa terricola	3.00	7.41	9.80	0.76	0.5286	1.05	1.78	0.59	0.6158
Walckenaeria acuminata	8.00	-1.56	4.95	-0.32	0.7614	-0.56	0.96	-0.58	0.5805
Walckenaeria antica	3.00	-3.70	13.35	-0.28	0.8075	-0.83	2.00	-0.42	0.7176
Walckenaeria atrotibialis	14.00	-2.08	18.91	-0.11	0.9139	0.47	0.93	0.50	0.6233
Walckenaeria dysderoides	3.00	2.78	14.25	0.19	0.8635	0.79	2.03	0.39	0.7341
Walckenaeria fenestrata	13.00	-7.75	13.00	-0.07	0.037160				
Walckenaeria unicomis	1.00	11.11				2.49			
Walckenaeria vigilax	4.00	-2.08	9.03	-0.23	0.8323	-1.06	1.44	-0.73	0.5159
Xysticus cristatus	13.00	-0.03	4.38	-0.01	0.9946	-0.15	0.78	-0.19	0.8495
Xysticus erraticus	1.00	11.11				2.49			
Xysticus kochi	1.00	-11.11				-2.49			
Xysticus sp.	1.00	11.11				2.49			
Zelotes latreillei	5.00	-4.44	11.04	-0.40	0.7078	0.23	1.42	0.17	0.8768
Zora spinimana	4.00	-2.78	8.33	-0.33	0.7608	-0.16	1.54	-0.11	0.9225

g) Field spiders after harvest.

Species	N	Mean	StdErr	t	Prt	Mean	StdErr	t	Prt
Agraece linopina	1.00	-11.11				-2.49			
Agyneta ramosa	1.00	22.22				3.15			
Allopecosa pulcherrima	1.00	11.11				2.49			
Ammaurobius fenestratus	1.00	-11.11				-2.49			
Antistea elegans	1.00	12.50				2.60			
Araneus adematius	1.00	11.11				2.49			

Araeoncus humilis	1.00	-11.11							
Bathypantes gracilis	22.00	-8.33	7.29	-1.14	0.2659	-0.26	0.44	-0.59	0.5584
Bathypantes parvulus	3.00	7.41	9.80	0.76	0.5286	1.05	1.78	0.59	0.6158
Centromerita bicolor	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Dicymbium nigrum	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Diplostyla concolor	16.00	4.86	10.59	0.46	0.6527	0.11	0.67	0.17	0.8694
Dismodicus bifrons	1.00	11.11							
Drassylus pusillus	1.00	-11.11							
Eriogone atra	24.00	-33.33	33.41	-1.00	0.3288	-0.44	0.39	-1.13	0.2714
Eriogone dentipalpis	13.00	-4.17	15.65	-0.27	0.7946	0.24	0.66	0.37	0.7206
Lepthyphantes pallidus	2.00	11.11	0.00				2.49	0.00	
Lepthyphantes species	1.00	11.11							
Lepthyphantes zimmermanni	1.00	-11.11							
Melonea rurestris	6.00	5.79	5.61	1.03	0.3493	0.96	1.10	0.87	0.4221
Melilina meriana	1.00	-11.11							
Mircargus herbi gradus	2.00	0.69	11.81	0.06	0.9626	0.05	2.55	0.02	0.9864
Microneta viaria	2.00	11.11	0.00				2.49	0.00	
Milneriana inerrans	3.00	11.57	11.41	1.01	0.4170	0.57	1.67	0.34	0.7671
Oedothorax apicatus	33.00	-25.00	42.33	-0.59	0.5589	0.13	0.50	0.26	0.7995
Oedothorax fuscus	31.00	44.53	20.49	2.17	0.0378	1.02	0.49	2.08	0.0459
Oedothorax retusus	27.00	18.31	15.34	1.19	0.2433	0.42	0.49	0.85	0.4043
Ostearius melanopygius	7.00	1.59	4.49	0.35	0.7358	0.36	1.01	0.35	0.7358
Ozyptila sanctuarii	9.00	5.40	3.45	1.56	0.1563	0.15	0.61	1.87	0.0979
Pachygnatha clercki	1.00	1.59	6.15	0.26	0.8049	0.36	1.09	0.33	0.7551
Pachygnatha degeeri	23.00	4.53	6.32	0.72	0.4812	0.10	0.55	0.18	0.8553
Pardosa palustris	7.00	11.11	0.00				2.49	0.00	
Pardosa pratensis	5.00	-4.44	10.89	-0.41	0.7040	0.23	1.40	0.17	0.8751
Pardosa sp.	16.00	17.97	13.97	1.29	0.2180	1.06	0.58	1.82	0.0886
Pisaura mirabilis	1.00	-11.11							
Porrhomma errans	1.00	11.11							
Porrhomma micropthalmum	6.00	-37.04	17.84	-2.08	0.0925	-2.90	0.58	-5.04	0.0040
Porrhomma macum	4.00	0.00	6.42	0.00	1.0000	0.00	1.44	0.00	1.0000
Robertus neglectus	5.00	1.11	5.09	0.22	0.8379	0.08	1.12	0.07	0.9494
Unidentifed/Imm.	1.00	-11.11							
Syedra gracilis	1.00	-11.11							
Tegenaria silvestris	1.00	12.50					2.60		
Trochosa ruricola	14.00	0.00	4.36	0.00	1.0000	0.31	0.67	0.46	0.6537
Trochosa sp.	6.00	-9.26	4.46	-2.08	0.0925	-1.42	0.87	-1.63	0.1642
Trochosa terricola	1.00	-11.11							
Walckenaeria nudipalpis	1.00	22.22					3.15		
Xysticus cristatus	4.00	-2.78	8.33	-0.33	0.7608	-0.10	1.33	-0.47	0.6710
Xysticus sp.	2.00	-0.69	11.81	-0.06	0.9626	-0.05	2.55	-0.02	0.9864

h) Boundary spiders after harvest.

Species	N	Mean	StdErr	t	Prt	Mean	StdErr	t	Prt
Agroeca proxima	3.00	-3.70	7.41	-0.50	0.6667	-0.83	1.66	-0.50	0.6667
Allogecosa pulvillenta	2.00	-1.59	12.70	-0.13	0.9208	-0.12	2.61	-0.04	0.9716
Antistea elegans	1.00	-11.11							
Araeoncus humilis	1.00	-11.11							
Bathypantes gracilis	32.00	25.27	18.39	1.37	0.1792	-0.28	0.47	-0.59	0.5601
Bathypantes parvulus	1.00	22.22					3.15		
Centromerita bicolor	3.00	0.00	11.11	0.00	1.0000	0.61	1.88	0.33	0.7748
Centromerita concinna	1.00	-11.11							
Centromerus sylvaticus	1.00	22.22					3.15		
Cibioneta reclusa	1.00	-11.11							
Cibioneta species	5.00	-13.61	2.17	-6.27	0.0033	-2.65	0.13	-20.9	<.0001
Coelotes terrestris	2.00	-5.56	16.67	-0.33	0.7952	-0.33	2.82	-0.12	0.9268
Dicymbium nigrum	5.00	28.89	14.80	1.95	0.1227	3.04	0.38	8.02	0.0013
Dicymbium tibiale	1.00	-22.22					3.15		
Diplostyla concolor	27.00	-0.05	7.00	-0.01	0.9942	-0.26	0.49	-0.52	0.6084
Drassylus pusillus	3.00	-3.70	7.41	-0.50	0.6667	-0.83	1.66	-0.50	0.6667
Enoplognatha ovata	2.00	-11.81	0.69	-17.0	0.0374	2.55	0.05	-46.9	0.0136
Eriogone atra	17.00	-10.90	4.25	-2.56	0.0209	-1.31	0.54	-2.41	0.0282

Eri gone denti pal pi s	5.00	4.44	9.69	0.46	0.6702	0.58	1.40	0.41	0.7020
Ero cambri dgei	2.00	-0.69	11.81	-0.06	0.9626	-0.05	2.55	-0.02	0.9864
Gongyl i di el lum vi vum	1.00	-11.11					-2.49		
Lepthyphantes speci es	3.00	12.96	20.87	0.62	0.5979	1.09	2.16	0.51	0.6629
Lepthyphantes pall idus	4.00	17.01	5.45	3.12	0.0524	2.78	0.25	11.01	0.0016
Leptorhoptrum robustum	2.00	11.11	0.00				2.49	0.00	
Lepthyphantes tenui s	37.00	5.75	6.09	0.94	0.3510	-0.22	0.34	-0.65	0.5182
Lepthyphantes zimmermanni	1.00	-11.11					-2.49		
Mel oneta rurestri s	1.00	-11.11					-2.49		
Metel li na mengei	1.00	-12.50					-2.60		
Mi crargus herbi gradus	1.00	11.11					2.49		
Mi crargus subaequal is	1.00	-11.11					-2.49		
Mi croneta vi ari a	1.00	2.22					0.10		
Mi lleri ana i nerrans	3.00	7.87	9.90	0.80	0.5099	1.08	1.80	0.60	0.6073
Monocephalus fuscipes	2.00	11.81	0.69	17.00	0.0374	2.55	0.05	46.95	0.0136
Oedothorax apicatus	17.00	2.84	7.48	0.38	0.7095	0.36	0.61	0.59	0.5653
Oedothorax fuscus	20.00	13.18	9.74	1.35	0.1918	1.01	0.51	1.97	0.0630
Oedothorax retusus	20.00	31.37	14.35	2.19	0.0416	0.51	0.57	0.89	0.3859
Osteari us mel anopygi us	3.00	-3.70	7.41	-0.50	0.6667	-0.83	1.66	-0.50	0.6667
Ozypti la prati cola	1.00	-14.29					-2.73		
Ozypti la sanctuari a	6.00	5.32	5.70	0.93	0.3930	0.92	1.10	0.84	0.4411
Pachynatha clercki	7.00	-1.59	6.61	-0.24	0.8182	-0.92	1.02	-0.90	0.4028
Pachynatha degeeri	36.00	14.68	12.46	1.18	0.2464	0.88	0.41	2.15	0.0387
Pardosa amentata	1.00	-11.11					-2.49		
Pardosa nigri cepis	1.00	11.11					2.49		
Pardosa prati vaga	6.00	-6.71	12.41	-0.54	0.6119	-3.17	1.31	-0.13	0.9035
Pardosa pul l ata	1.00	12.50					2.60		
Pardosa sp.	19.00	47.71	35.79	1.33	0.1991	0.20	0.43	0.46	0.6497
Pisaura mi abalis	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Pocadi cne mi s juncea	1.00	-22.22					-3.15		
Porrhomma mi crophthal mum	4.00	0.00	6.42	0.00	1.0000	0.00	1.44	0.00	1.0000
Porrhomma pygmaeum	2.00	-5.56	16.67	-0.33	0.7952	-0.33	2.82	-0.12	0.9268
Robertus li vi dus	1.00	-11.11					-2.49		
Robertus negl ectus	1.00	-11.11					-2.49		
Segestria senocul ata	1.00	-11.11					-2.49		
Syedra gracili s	3.00	3.70	7.41	0.50	0.6667	0.83	1.66	0.50	0.6667
Tegenari a agrestis	1.00	-20.00					-3.04		
Tegenari a sil vestris	2.00	-1.59	12.70	-0.13	0.9208	-0.12	2.61	-0.04	0.9716
Theridi on speci es	1.00	11.11					2.49		
Trochosa ruri cola	9.00	-0.33	8.66	-0.04	0.9705	0.31	1.03	0.30	0.7736
Trochosa sp.	4.00	5.56	9.62	0.58	0.6042	0.33	1.63	0.20	0.8543
Trochosa terri cola	2.00	0.00	33.33	0.00	1.0000	0.00	3.54	0.00	1.0000
Wal ckenae ri a acumi nata	2.00	-12.50	0.00				-2.60	0.00	
Wal ckenae ri a capi to	1.00	11.11					2.49		
Wal ckenae ri a nudi pal pi s	4.00	-5.56	5.56	-1.00	0.3910	-1.25	1.25	-1.00	0.3910
Wal ckenae ri a vi gi lax	1.00	11.11					2.49		
Xysti cus cri status	2.00	0.00	11.11	0.00	1.0000	0.00	2.49	0.00	1.0000
Xysti cus sp.	3.00	-7.41	9.80	-0.76	0.5286	-1.05	1.78	-0.59	0.6158
Zel oti ne i mma ture	1.00	11.11					2.49		