

Table S2. Numbers of ground dwelling arthropods captured in pitfall traps in cherry orchards under Standard IPM and New IPM.

Taxa ¹	ARAGON		EXTREMADURA	
	Standard IPM	New IPM	Standard IPM	New IPM
Phytophages	89	123	362	347
Acari	23	35	40	40
Tetranychidae	23	35	40	40
Thysanoptera	12	15	12	9
Hemiptera	54	73	310	298
Aphididae	37	45	290	272
Aphrophoridae	0	0	2	0
Cicadellidae	10	15	16	26
Coccoidea NI	7	13	1	0
Diaspididae	0	0	1	0
Predators	1291	1678	1149	942
Pseudoscorpiones	5	3	1	1
Araneae	320	336	305	382
Amaurobiidae	0	1	0	1
Anyphaenidae	3	1	0	1
Araneidae	1	0	0	0
Clubionidae	0	0	2	0
Corinnidae	1	0	0	0
Ctenizidae	0	0	0	2
Cybaeidae	4	0	0	0
Dictynidae	4	4	5	19
Dysderidae	8	18	0	2
Gnaphosidae	130	136	71	74
Hersiliidae	0	0	0	3
Linyphidae	30	46	61	47
Lycosidae	10	18	26	84
Mimetidae	0	0	1	1
Nemesiidae	2	0	21	9
Pholcidae	1	0	0	0
Pisauridae	4	4	43	32
Prodidomidae	27	32	32	45
Salticidae	2	9	2	11
Scytodidae	4	1	0	2
Sicariidae	0	0	0	1
Tetragnathidae	26	10	0	1
Theriididae	0	0	3	1
Thomisidae	6	5	7	13
Zodariidae	11	8	0	0
Zoridae	2	0	0	1
Zorospidae	0	0	0	2
Araneae NI	44	43	31	30
Opiliones	5	1	75	43
Solifugae	14	24	0	0
Acari	399	560	160	116
Anystidae	63	137	14	12
Bdellidae	250	286	43	20
Erythraeidae	3	6	25	19
Macrochelidae	17	35	42	54
Phytoseiidae	16	82	8	7
Trombidiidae	50	14	28	4

Chilopoda	5	4	26	38
Geophilidae	1	0	1	4
Lithobiidae	4	4	25	34
Dermaptera	210	219	11	16
Thysanoptera	7	6	16	10
Aeolothripidae	7	6	16	10
Hemiptera	22	55	14	9
Anthocoridae	0	1	0	0
Miridae	1	1	1	2
Nabidae	19	51	8	4
Reduviidae	2	2	5	3
Diptera	16	30	16	12
Atelestidae	0	1	0	0
Dolichopodidae	11	14	3	1
Empididae	1	0	9	6
Hybotidae	3	13	3	3
Rhagionidae	0	0	0	2
Syrphidae	0	1	1	0
Therevidae	1	1	0	0
Neuroptera	2	3	1	1
Chrysopidae	2	3	1	0
Myrmeleontidae	0	0	0	1
Coleoptera	269	434	520	306
Cantharidae	0	0	7	0
Carabidae	130	168	221	97
Cleridae	1	0	0	0
Coccinellidae	8	7	1	2
Malachidae	0	0	1	1
Staphylinidae	117	223	290	206
Coleoptera NI	13	36	0	0
Hymenoptera	17	3	4	8
Crabronidae	2	0	0	0
Mutillidae	0	0	0	2
Pompilidae	7	1	3	2
Sphecidae	7	2	1	3
Tiphidae	1	0	0	0
Vespidae	0	0	0	1
Parasitoids	64	94	60	53
Diptera	10	8	2	0
Rhinophoridae	7	5	0	0
Tachinidae	3	3	2	0
Hymenoptera	54	86	58	53
Aphelinidae	1	0	0	0
Bethyidae	5	4	0	2
Braconidae	4	3	1	2
Ceraphronidae	3	2	3	3
Diapriidae	16	27	13	17
Encyrtidae	4	1	0	2
Eulophidae	0	0	1	0
Figitidae	0	2	0	1
Ichneumonidae	2	0	2	3
Megaspilidae	0	6	3	1
Mymaridae	3	4	1	1
Platygastridae	3	1	1	1
Proctotrupidae	0	1	2	0
Pteromalidae	1	1	1	1
Scelionidae	12	34	30	19

Others	1162	1279	626	566
Acari	134	69	138	129
Oribatida	118	47	92	108
Acari NI	16	22	46	21
Isopoda	132	446	2	4
Diplopoda	4	6	30	20
Zygentoma	29	12	0	2
Ephemeroptera	0	0	1	1
Dictyoptera	0	1	0	0
Blattidae	0	1	0	0
Isoptera	0	3	0	2
Orthoptera	3	2	0	9
Acrididae	3	2	0	0
Gryllidae	0	0	0	9
Embioptera	41	29	1	6
Psocoptera	24	65	0	0
Hemiptera	77	25	19	11
Caliscelidae	0	0	0	1
Cercopidae	1	3	2	0
Cixidae	0	0	1	0
Cydnidae	1	2	6	2
Delphacidae	1	0	1	0
Dictyopharidae	2	0	0	1
Issidae	0	0	1	1
Lygaeidae	3	2	2	1
Psyllidae	0	1	0	0
Pyrrhocoridae	48	9	6	0
Rhopalidae	1	0	0	0
Hemiptera NI	20	8	0	4
Diptera	585	467	303	229
Anthomyidae	133	92	46	24
Bibionidae	1	1	3	1
Calliphoridae	65	73	4	3
Carnidae	1	0	0	0
Cecidomyiidae	17	24	10	11
Ceratopogonidae	2	1	1	0
Chironomidae	5	4	6	3
Chloropidae	22	7	0	1
Drosophilidae	1	1	1	2
Ephydriidae	2	7	0	2
Lauxaniidae	2	2	0	0
Lonchopteridae	0	0	2	1
Muscidae	3	2	2	0
Mycetophilidae	2	2	4	7
Opomyzidae	0	0	0	1
Phoridae	155	118	50	26
Psychodidae	0	3	0	1
Scathophagidae	0	1	1	0
Scatopsidae	2	1	0	3
Sciaridae	103	92	141	125
Sphaeroceridae	0	4	2	5
Tipulidae	6	1	26	11
Diptera NI	63	31	4	2
Lepidoptera	4	5	2	5
Coleoptera	106	126	97	131
Anthicidae	16	34	5	7
Bruchidae	2	2	2	1

Buprestidae	0	0	0	1
Chrysomelidae	8	8	1	1
Corylophidae	13	12	0	1
Cryptophagidae	1	2	0	0
Cucujidae	0	1	0	0
Curculionidae	7	10	4	8
Dermestidae	1	2	1	3
Elateridae	11	9	3	2
Histeridae	3	1	7	2
Latridiidae	3	7	6	1
Melandryidae	3	3	6	13
Meloidae	0	0	0	3
Nitidulidae	3	8	1	13
Phalacridae	1	0	0	0
Ptiliidae	0	0	1	0
Scarabeidae	0	4	0	2
Scolytidae	1	0	0	0
Silphidae	1	3	0	0
Tenebrionidae	32	16	6	35
Coleoptera NI	0	4	54	38
Hymenoptera	16	15	9	17
Apidae	9	13	9	17
Chrysididae	4	1	0	0
Cynipidae	3	0	0	0
Tenthredinidae	0	1	0	0
NI	7	8	24	0

¹ NI: Not identified specimens