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Rothamsted Experimental Station Report for 1974 Part 2



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Rothamsted Insect Survey - Sixth Annual Summary

L. R. Taylor and R. A. French

L. R. Taylor and R. A. French (1975) *Rothamsted Insect Survey - Sixth Annual Summary* ;
Rothamsted Experimental Station Report For 1974 Part 2, pp 201 - 229 - DOI:
<https://doi.org/10.23637/ERADOC-1-33168>

Rothamsted Insect Survey

Sixth Annual Summary

L. R. TAYLOR and R. A. FRENCH

Suction traps

Samples were collected daily from 1 April to 3 November 1974 and aphid bulletins issued weekly from 7 April 1974 (Bulletin No. 1) to 3 November 1974 (Bulletin No. 31). The 32 aphid taxa listed in Table 1(a-h) are those in the Bulletin and are the same as 1972 and 1973.

The trap at Building Research Station, Garston, and two traps at Rothamsted Farm were discontinued. New traps started operating at Lancashire College of Agriculture, Preston, on 29 April 1974 and at the West of Scotland Agricultural College, Auchincruive, Ayr, on 30 August 1974. The records for the trap at Ayr (also for a 4-ft trap at Rothamsted) do not appear in the Bulletins or in Table 1 a-f.

Samples from Zeeland, Broom's Barn and Aberystwyth were mainly identified at the site by D. Hille Ris Lambers of Bladluisonderzoek T.N.O., G. D. Heathcote of Broom's Barn and J. A'Brook of the Welsh Plant Breeding Station respectively. H. L. G. Stroyan of MAFF Plant Pathology Laboratories and V. F. Eastop of the British Museum (Natural History) confirmed difficult determinations.

The Bulletins cover the working week, Monday to Sunday. Table 1 is for standard four-week periods, constant from year to year (see *Rothamsted Report for 1972*, Part 2, p. 211, Table 4).

The Bulletin, sent out each Friday, lists aphids caught between 5 and 12 days previously, except Zeeland and Copenhagen which appear a week later. This timing is determined by the postal service.

The sample volumes were halved at Rainham and Wye from 11 June to 22 July, and at Silwood, Long Ashton, Shardlow, Preston and Hereford from 24 June to 22 July 1974. Figures in the bulletins and tables are corrected to full volume sample.

In Table 1 there are no missing values; a blank records a zero catch.

Light traps

Table 2(a-f) gives the annual catches during 1972 and 1973 of the same pest, or migratory, Lepidoptera as in previous years. The addition of 23 new sites makes a total of 88 in the Table. At the end of 1974, 160 traps are operating.

The sites in Table 2 are arranged in sequence from north to south and the species are in the same order as in previous years. Zero catches are recorded as 0; dashes indicate no record.

Voluntary workers again operated most traps and identified many of the insects; for this we are most grateful.

Table 1(a-h) see pages 202-217.

Table 2(a-f) see pages 218-229.

ROTHAMSTED REPORT FOR 1974, PART 2

TABLE

*The Rothamsted Insect Survey—Suction Traps: four-weekly total catches
Week Nos 13 to 16—*

Sites	Elgin	Dundee	Edinburgh	Copenhagen	High Mowthorpe	Shardlow	Aberystwyth	Broom's Barn
Species								
<i>Acyrtosiphon pisum</i>								
<i>Aphis fabae</i> grp.								
<i>Aphis</i> spp.								
<i>Amphorophora rubi</i>								
<i>Aulacorthum solani</i>								
<i>Brachycaudus helichrysi</i>								
<i>Brevicoryne brassicae</i>								
<i>Cavariella aegopodii</i>								
<i>Cinara</i> spp.								
<i>Drepanosiphum platanoidis</i>								
<i>Dysaphis plantaginea</i>								
<i>Elatobium abietinum</i>							3	
<i>Eriosoma ulmi</i>								
<i>Hyalopterus pruni</i>								
<i>Hyperomyzus lactucae</i>								
<i>Macrosiphum euphorbiae</i>								
<i>Megoura viciae</i>								
<i>Metopolophium dirhodum</i>						2		
<i>Metopolophium festucae</i>						1		
<i>Myzus ascalonicus</i>						7		1
<i>Myzus ornatus</i>			1					2
<i>Myzus persicae</i> grp.								1
<i>Nasonovia ribis nigri</i>								
<i>Pemphigus</i> spp.								
<i>Pentatrichopus fragaefolii</i>								
<i>Phorodon humuli</i>								
<i>Phyllaphis fagi</i>								
<i>Rhopalosiphum insertum</i>								
<i>Rhopalosiphum maidis</i>								
<i>Rhopalosiphum padi</i>						1	1	
<i>Sitobion avenae</i>								
<i>Sitobion fragariae</i>								
First aphid caught			10 Apr			26 Mar	7 Apr	10 Apr

ROTHAMSTED INSECT SURVEY

1(a)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1974
26 March to 22 April 1974

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
									<i>Acyrtosiphon pisum</i>
									<i>Aphis fabae</i> grp.
									<i>Aphis</i> spp.
									<i>Amphorophora rubi</i>
				1					<i>Aulacorthum solani</i>
									<i>Brachycaudus helichrysi</i>
		1					1		<i>Brevicoryne brassicae</i>
									<i>Cavariella aegopodii</i>
									<i>Cinara</i> spp.
									<i>Drepanosiphum platanoidis</i>
							1		<i>Dysaphis plantaginea</i>
									<i>Elatobium abietinum</i>
									<i>Eriosoma ulmi</i>
									<i>Hyalopterus pruni</i>
		5		1					<i>Hyperomyzus lactucae</i>
									<i>Macrosiphum euphorbiae</i>
		2	1	2		1			<i>Megoura viciae</i>
	2	2	2	13					<i>Metopolophium dirhodum</i>
1	1	10	9	68		2	2	1	<i>Metopolophium festucae</i>
		4	12	1			7	3	<i>Myzus ascalonicus</i>
	1						1	6	<i>Myzus ornatus</i>
									<i>Myzus persicae</i> grp.
									<i>Nasonovia ribis nigri</i>
									<i>Pemphigus</i> spp.
									<i>Pentatrichopus fragaefolii</i>
									<i>Phorodon humuli</i>
									<i>Phyllaphis fagi</i>
									<i>Rhopalosiphum insertum</i>
		5		3					<i>Rhopalosiphum maidis</i>
							1		<i>Rhopalosiphum padi</i>
							2		<i>Sitobion avenae</i>
									<i>Sitobion fragariae</i>
26 Mar	1 Apr	26 Mar	26 Mar	26 Mar		26 Mar	26 Mar	26 Mar	First aphid caught

ROTHAMSTED REPORT FOR 1974, PART 2

TABLE

The Rothamsted Insect Survey—Suction Traps: four-weekly total catches
Week Nos 17 to 20—

Sites	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth	Broom's Barn
Species										
<i>Acyrtosiphon pisum</i>				2			1	1	1	1
<i>Aphis fabae</i> grp.							3			
<i>Aphis</i> spp.	1			2			1		2	
<i>Amphorophora rubi</i>										3
<i>Aulacorthum solani</i>			2				11	9		2
<i>Brachycaudus helichrysi</i>			1			1	21	3	10	8
<i>Brevicoryne brassicae</i>										
<i>Cavariella aegopodii</i>			3				79	2	3	5
<i>Cinara</i> spp.						1				
<i>Drepanosiphum platanoidis</i>	11	4	2		4	12	805	1288	1	2
<i>Dysaphis plantaginea</i>										
<i>Elatobium abietinum</i>		2	1		1	1	11	6	143	2
<i>Eriosoma ulmi</i>										
<i>Hyalopterus pruni</i>									2	
<i>Hyperomyzus lactucae</i>									2	2
<i>Macrosiphum euphorbiae</i>			1				2	1	2	2
<i>Megoura viciae</i>										
<i>Metopolophium dirhodum</i>	1						11	11	3	4
<i>Metopolophium festucae</i>		1	1		3	2	29	17	21	19
<i>Myzus ascalonicus</i>	6	1	4	4	18	18	44	96	4	88
<i>Myzus ornatus</i>	1		2				2	8		
<i>Myzus persicae</i> grp.							2	4		
<i>Nasonovia ribis nigri</i>				1					1	1
<i>Pemphigus</i> spp.						1				
<i>Pentatrichopus fragaefolii</i>										
<i>Phorodon humuli</i>									1	
<i>Phyllaphis fagi</i>							5			
<i>Rhopalosiphum insertum</i>				3			110	28	1	2
<i>Rhopalosiphum maidis</i>										
<i>Rhopalosiphum padi</i>							35	31	22	14
<i>Sitobion avenae</i>							1		4	6
<i>Sitobion fragariae</i>							2	2	4	
First aphid caught	9 May	12 May		10 May	7 May	27 Apr				

ROTHAMSTED INSECT SURVEY

1(b)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1974
23 April to 20 May 1974

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
2	2	26	2	2	18	1			<i>Acyrtosiphon pisum</i>
1	1	18		38	1	2	2		<i>Aphis fabae</i> grp.
	5	26		10	1	2	2	1	<i>Aphis</i> spp.
		1							<i>Amphorophora rubi</i>
	3	38	1	1	1	4	6	2	<i>Aulacorthum solani</i>
2	54	315	13	67	28	17	28	4	<i>Brachycaudus helichrysi</i>
		13		2			7		<i>Brevicoryne brassicae</i>
2	10	51	4	45	38	14	42	5	<i>Cavariella aegopodii</i>
	3	1			14	4			<i>Cinara</i> spp.
33	3	34	70	2	1	1	4	3	<i>Drepanosiphum platanoidis</i>
									<i>Dysaphis plantaginea</i>
19	5	17	6	125	20	57	12	3	<i>Elatobium abietinum</i>
									<i>Eriosoma ulmi</i>
	1	8		4	1	6	2	1	<i>Hyalopterus pruni</i>
6	4	200	6	33		11	11	1	<i>Hyperomyzus lactucae</i>
									<i>Macrosiphum euphorbiae</i>
									<i>Megoura viciae</i>
4	2	125	3	7	13	13	11		<i>Metopolophium dirhodum</i>
7	17	117	12	57	138	188	10	3	<i>Metopolophium festucae</i>
31	142	211	15	192	95	57	12		<i>Myzus ascalonicus</i>
	5	12	12	10		3	7		<i>Myzus ornatus</i>
1	19	166	3	10	10	12	11		<i>Myzus persicae</i> grp.
	2	3	1	7		1	2		<i>Nasonovia ribis nigri</i>
									<i>Pemphigus</i> spp.
	1			1			1		<i>Pentatrichopus fragaefolii</i>
1	4	30		7		6			<i>Phorodon humuli</i>
				1					<i>Phyllaphis fagi</i>
7	17	34	18	17	12	4	22	4	<i>Rhopalosiphum insertum</i>
							1		<i>Rhopalosiphum maidis</i>
1	13	393	1	85	16	85	13	4	<i>Rhopalosiphum padi</i>
	11	95	2	18	12	18	14	4	<i>Sitobion avenae</i>
1	3	100	3	9		3	14	8	<i>Sitobion fragariae</i>

25
Apr

First aphid caught

ROTHAMSTED REPORT FOR 1974, PART 2

TABLE

*The Rothamsted Insect Survey—Suction Traps: four-weekly total catches
Week Nos 21 to 24—*

Sites	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth	Broom's Barn
Species										
<i>Acyrtosiphon pisum</i>	1	1		7	1	2	3	26		13
<i>Aphis fabae</i> grp.			5				1	19	14	10
<i>Aphis</i> spp.	1	1	1	9			3	67	14	10
<i>Amphorophora rubi</i>							7	9	37	9
<i>Aulacorthum solani</i>					1	1	15	27	20	4
<i>Brachycaudus helichrysi</i>	14	9	61	9	41	118	725	1395	1130	288
<i>Brevicoryne brassicae</i>						3			3	1
<i>Cavariella aegopodii</i>	11	5	35	13	10	25	795	1354	114	290
<i>Cinara</i> spp.				3				3	2	3
<i>Drepanosiphum platanoidis</i>	31	36	127	4	207	201	408	751	158	22
<i>Dysaphis plantaginea</i>							1	12		12
<i>Elatobium abietinum</i>	27	18	78	5	54	320	53	15	594	19
<i>Eriosoma ulmi</i>	1	2	1	81			19	57	1	6
<i>Hyalopterus pruni</i>				1			37	11	11	7
<i>Hyperomyzus lactucae</i>	1	7	1	4	2	1	14	14	25	2
<i>Macrosiphum euphorbiae</i>		3	12	3	8	1	25	30	14	7
<i>Megoura viciae</i>										
<i>Metopolophium dirhodum</i>	1		2	2	2	1	39	88	12	20
<i>Metopolophium festucae</i>	2	7	45	1	55	18	97	219	26	137
<i>Myzus ascalonicus</i>	11	7	36	12	58	73	25	214	14	97
<i>Myzus ornatus</i>			7		2		4	11	1	1
<i>Myzus persicae</i> grp.	1	2	7			3	5	40	16	29
<i>Nasonovia ribis nigri</i>	1	1	2	1			3	16	4	3
<i>Pemphigus</i> spp.										1
<i>Pentatrichopus fragaefolii</i>			1							
<i>Phorodon humuli</i>				6	1		22	279	597	108
<i>Phyllaphis fagi</i>	3			3	2		10	26	7	4
<i>Rhopalosiphum insertum</i>	1	19	62	4	56	10	118	190	6	
<i>Rhopalosiphum maidis</i>						1			1	
<i>Rhopalosiphum padi</i>		3	6	13	2	5	57	341	181	155
<i>Sitobion avenae</i>	1	2	6		2	3	14	51	45	149
<i>Sitobion fragariae</i>		1	13		8	7	60	83	41	21

ROTHAMSTED INSECT SURVEY

1(c)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1974
21 May to 17 June 1974

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
2	4	52	5	18	205	11	5		<i>Acyrtosiphon pisum</i>
1	18	55	15	91	14	20	11	5	<i>Aphis fabae</i> grp.
4	24	166	73	142		14	18	11	<i>Aphis</i> spp.
4	3	3	7	6	2	13	11	1	<i>Amphorophora rubi</i>
7	5	88	13	7	1	16	24	3	<i>Aulacorthum solani</i>
1985	1031	2443	2202	1875	153	1180	324	182	<i>Brachycaudus helichrysi</i>
11	2	46	14	49		13	10	3	<i>Brevicoryne brassicae</i>
246	282	655	697	830	332	314	169	74	<i>Cavariella aegopodii</i>
		8	11	16	17	3	1		<i>Cinara</i> spp.
26	7	157	137	94	7	53	40	136	<i>Drepanosiphum platanoidis</i>
	12	101	17	82	5	14	1		<i>Dysaphis plantaginea</i>
48	12	5	24	173	1	385	47	5	<i>Elatobium abietinum</i>
81	2	12	10	15	40	3	1	1	<i>Eriosoma ulmi</i>
5	13	83	36	25	68	23	10	2	<i>Hyalopterus pruni</i>
8	20	48	31	53	12	48	12	3	<i>Hyperomyzus lactucae</i>
14	46	266	57	71	5	97	23	1	<i>Macrosiphum euphorbiae</i>
		2	2	7	1		1		<i>Megoura viciae</i>
15	6	404	48	68	4	123	21	8	<i>Metopolophium dirhodum</i>
79	147	168	45	183	119	861	33	4	<i>Metopolophium festucae</i>
36	204	82	37	170	25	43	9	5	<i>Myzus ascalonicus</i>
	13	4	21	19		1	4		<i>Myzus ornatus</i>
1	23	135	29	56	5	53	9		<i>Myzus persicae</i> grp.
1	11	10	11	19	5	5	3	1	<i>Nasonovia ribis nigri</i>
	1	2		2	2		1		<i>Pemphigus</i> spp.
1	1	3	5	1			3		<i>Pentatrichopus fragaefolii</i>
1147	394	2843	1190	1710	81	1305	57	1	<i>Phorodon humuli</i>
1	2	2	7	43	7	4	2		<i>Phyllaphis fagi</i>
70	35	68	96	56	21	52	41	10	<i>Rhopalosiphum insertum</i>
	1							1	<i>Rhopalosiphum maidis</i>
32	81	1257	75	452	75	580	175	16	<i>Rhopalosiphum padi</i>
21	84	330	109	254	18	189	56	9	<i>Sitobion avenae</i>
41	47	258	113	245	19	111	125	52	<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1974, PART 2

TABLE

*The Rothamsted Insect Survey—Suction Traps: four-weekly total catches
Week Nos 25 to 28—*

Sites	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth	Broom's Barn
Species										
<i>Acyrtosiphon pisum</i>	5	8	9	8	2	13	3	2	7	15
<i>Aphis fabae</i> grp.		2	11	5	1	38	30	74	11	565
<i>Aphis</i> spp.	8	3	22	34	4	8	37	96	6	54
<i>Amphorophora rubi</i>	3	8	5		4	7		16	27	5
<i>Aulacorthum solani</i>	3	2	6	2	1	2	1	13		4
<i>Brachycaudus helichrysi</i>	23	16	291	16	66	269	113	693	315	131
<i>Brevicoryne brassicae</i>				2				6	1	14
<i>Cavariella aegopodii</i>	35	20	137	12	76	234	465	1116	45	113
<i>Cinara</i> spp.	3		1	9		4	2	20	4	3
<i>Drepanosiphum platanoidis</i>	19	58	126	2	253	429	165	251	15	33
<i>Dysaphis plantaginea</i>				2				10	1	16
<i>Elatobium abietinum</i>	3	4	86		17	39	6		66	
<i>Eriosoma ulmi</i>	17	223	82	23	25	18	28	174	1	4
<i>Hyalopterus pruni</i>	4	17	22	177	3	32	136	276	6	154
<i>Hyperomyzus lactucae</i>	2	20	20		6	12	7	5	4	8
<i>Macrosiphum euphorbiae</i>	2	21	47	12	30	12	12	64	14	38
<i>Megoura viciae</i>	2		5		1	2	6	9	3	
<i>Metopolophium dirhodum</i>	57	177	263	80	25	63	12	184	7	542
<i>Metopolophium festucae</i>	5	28	36	18	21	48	10	33	3	86
<i>Myzus ascalonicus</i>	6	3	12		4	35	4	10		4
<i>Myzus ornatus</i>	1	2	13		1			6		1
<i>Myzus persicae</i> grp.		5	17	14	2	6	4	140	2	104
<i>Nasonovia ribis nigri</i>	4	2	6		2	1	2	9	2	6
<i>Pemphigus</i> spp.		1	18	24	1	3	12	78	5	7
<i>Pentatrichopus fragaefolii</i>		4								1
<i>Phorodon humuli</i>			7	13	1	2	4	1086	565	145
<i>Phyllaphis fagi</i>	1	1	3	6	146	5	20	93		6
<i>Rhopalosiphum insertum</i>		3	17	2	30	15	155	103	4	10
<i>Rhopalosiphum maidis</i>			1		4		2		2	
<i>Rhopalosiphum padi</i>	14	9	27	2803	110	213	30	328	66	1320
<i>Sitobion avenae</i>	10	18	19	28	16	33	39	127	47	993
<i>Sitobion fragariae</i>	7	5	18	1	7	13	7	48	11	24

ROTHAMSTED INSECT SURVEY

1(d)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1974
18 June to 15 July 1974

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
5	16	14		9	46	10	9		<i>Acyrtosiphon pisum</i>
20	211	182	76	553	72	158	111		<i>Aphis fabae</i> grp.
21	72	132	69	290	4	90	38	6	<i>Aphis</i> spp.
11	5		7	4	2	2	12	3	<i>Amphorophora rubi</i>
3	2	6	3	6	1	6	5	3	<i>Aulacorthum solani</i>
436	177	84	238	86	72	174	92	6	<i>Brachycaudus helichrysi</i>
15	6	22	7	13	2	16	16		<i>Brevicoryne brassicae</i>
229	219	226	118	249	398	186	68	16	<i>Cavariella aegopodii</i>
	4	18	5	127		22	2		<i>Cinara</i> spp.
77	32	66	24	29	7	46	8	16	<i>Drepanosiphum platanoidis</i>
7	32	62	34	57	1	16	1		<i>Dysaphis plantaginea</i>
1			1	2			6		<i>Elatobium abietinum</i>
124	12	4	18	5	2	10		1	<i>Eriosoma ulmi</i>
60	167	644	72	246	422	192	75	5	<i>Hyalopterus pruni</i>
11	12	22	5	16	13	50	11	1	<i>Hyperomyzus lactucae</i>
41	51	34	16	42	8	74	27	7	<i>Macrosiphum euphorbiae</i>
3	8	4	2	11		2	1		<i>Megoura viciae</i>
22	134	114	32	93	56	180	20	16	<i>Metopolophium dirhodum</i>
34	69	8	8	12	6		4		<i>Metopolophium festucae</i>
12	14	2		5	1	2			<i>Myzus ascalonicus</i>
	4		1	2	1		2		<i>Myzus ornatus</i>
11	86	18	7	23	112	42	6	3	<i>Myzus persicae</i> grp.
2	4	4	1	11	7	2	9		<i>Nasonovia ribis nigri</i>
26	10	46	20	40	51	6	10		<i>Pemphigus</i> spp.
			2				2		<i>Pentatrichopus fragaefolii</i>
815	349	494	614	250	103	904	81	1	<i>Phorodon humuli</i>
5	13	10	8	68	3	42	3		<i>Phyllaphis fagi</i>
10	20	12	9	12	32	24	82	13	<i>Rhopalosiphum insertum</i>
4	3	6	2		3	2	16	10	<i>Rhopalosiphum maidis</i>
47	299	440	62	252	584	436	1028	36	<i>Rhopalosiphum padi</i>
138	278	326	87	452	141	174	137	773	<i>Sitobion avenae</i>
64	29	20	24	43	20	26	56	19	<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1974, PART 2

TABLE

*The Rothamsted Insect Survey—Suction Traps: four-weekly total catches
Week Nos 29 to 32—*

Sites	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth	Broom's Barn
Species										
<i>Acyrtosiphon pisum</i>	3	70	3	5	5	2	1		3	3
<i>Aphis fabae</i> grp.	19	131	87	49	54	283	146	474	10	206
<i>Aphis</i> spp.	6	17	74	13	11	20	13	80	2	15
<i>Amphorophora rubi</i>	1	13		1	1				1	
<i>Aulacorthum solani</i>	33	18	7	1	2					
<i>Brachycaudus helichrysi</i>	9	83	74	62	21	12		3		1
<i>Brevicoryne brassicae</i>	1	2		83				6	1	15
<i>Cavariella aegopodii</i>	30	23	27	11	51	64	5	37		18
<i>Cinara</i> spp.	3	4	11	2	11	4		6	2	
<i>Drepanosiphum platanoidis</i>	4	60	19	2	168	57	37	75	65	7
<i>Dysaphis plantaginea</i>				1						1
<i>Elatobium abietinum</i>										
<i>Eriosoma ulmi</i>		15	6	1	4	2	1			
<i>Hyalopterus pruni</i>	5	28	18	158	9	17	64	345	3	104
<i>Hyperomyzus lactucae</i>	7	18	9	1	7	3				
<i>Macrosiphum euphorbiae</i>	78	169	80	10	35	4	6	11	1	1
<i>Megoura viciae</i>									1	
<i>Metopolophium dirhodum</i>	515	38	525	236	76	8	4	10		9
<i>Metopolophium festucae</i>	15	29	3	14	14					
<i>Myzus ascalonicus</i>	1	1	1		2	1				
<i>Myzus ornatus</i>	1	2	2		1			1	1	
<i>Myzus persicae</i> grp.	67	146	76	98	19	8		11	1	7
<i>Nasonovia ribis nigri</i>	5	4	3	4			1	1	2	2
<i>Pemphigus</i> spp.	1	3	8	28	2	1	8	27	12	3
<i>Pentatrichopus fragaefolii</i>								1		
<i>Phorodon humuli</i>		3	3	3			1	7	1	8
<i>Phyllaphis fagi</i>		1			44	1		1		
<i>Rhopalosiphum insertum</i>	10	45	188	32	136	212	489	286	15	17
<i>Rhopalosiphum maidis</i>		2					1		3	1
<i>Rhopalosiphum padi</i>	703	1638	633	2649	83	129	46	76	32	131
<i>Sitobion avenae</i>	204	236	129	565	28	38	32	72	16	87
<i>Sitobion fragariae</i>	46	47	50	7	20	19	4	15	3	2

ROTHAMSTED INSECT SURVEY

1(e)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1974
16 July to 12 August 1974

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
238	279	8	58	1		1	1	2	<i>Acyrtosiphon pisum</i>
26	32	186	22	63	17	71	79	5	<i>Aphis fabae</i> grp.
		79		34		15	14		<i>Aphis</i> spp.
				2					<i>Amphorophora rubi</i>
4	5	4	2	2	1	4	1	2	<i>Aulacorthum solani</i>
9	1		1			4	3	1	<i>Brachycaudus helichrysi</i>
5	5	20	3	6	2	5	1		<i>Brevicoryne brassicae</i>
2		3	2	6		1	3		<i>Cavariella aegopodii</i>
10	4	6	16	37		33	7	41	<i>Cinara</i> spp.
1	1	2	2	1					<i>Drepanosiphum platanoidis</i>
									<i>Dysaphis plantaginea</i>
1	2				1	4			<i>Elatobium abietinum</i>
91	144	389	65	57	53	191	32	1	<i>Eriosoma ulmi</i>
		1	2	1					<i>Hyalopterus pruni</i>
5				1	1		1		<i>Hyperomyzus lactucae</i>
3	1		1						<i>Macrosiphum euphorbiae</i>
10	5	4	4	1	7	4	6	1	<i>Megoura viciae</i>
2								1	<i>Metopolophium dirhodum</i>
		1						1	<i>Metopolophium festucae</i>
									<i>Myzus ascalonicus</i>
	6	1		1	102	1	1		<i>Myzus ornatus</i>
1	1		2	1					<i>Myzus persicae</i> grp.
14	3	6	4	6	12	3	3		<i>Nasonovia ribis nigri</i>
									<i>Pemphigus</i> spp.
29	16	21	13	8	2	7	1	1	<i>Pentatrichopus fragaefolii</i>
	1			5		2			<i>Phorodon humuli</i>
71	59	46	56	50	19	15	330	21	<i>Phyllaphis fagi</i>
1		2			1	5	1	1	<i>Rhopalosiphum insertum</i>
30	25	92	22	30	288	68	185	48	<i>Rhopalosiphum maidis</i>
161	60	20	32	34	24	46	29	5	<i>Rhopalosiphum padi</i>
29	13	1	3	8		9	8	8	<i>Sitobion avenae</i>
									<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1974, PART 2

TABLE

The Rothamsted Insect Survey—Suction Traps: four-weekly total catches
Week Nos 33 to 36—

Species	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth	Broom's Barn
<i>Acyrtosiphon pisum</i>	3	34			1	1	1		4	
<i>Aphis fabae</i> grp.	221	513	224	21	131	66	38	98	12	32
<i>Aphis</i> spp.	11	64	78	14	8	21	15	84	3	
<i>Amphorophora rubi</i>		4								
<i>Aulacorthum solani</i>	95	10	3		2					
<i>Brachycaudus helichrysi</i>	51	49	49	7	10	6	11	35	14	26
<i>Brevicoryne brassicae</i>	19	11	6	99	1		1	5		
<i>Cavariella aegopodii</i>	41	17	6	7	1		1	2	1	
<i>Cinara</i> spp.	10	2	16	1	4			1		
<i>Drepanosiphum platanoidis</i>	4	269	91	16	777	208	18	391	101	9
<i>Dysaphis plantaginea</i>									1	
<i>Elatobium abietinum</i>										
<i>Eriosoma ulmi</i>			1				1		1	2
<i>Hyalopterus pruni</i>	2	113	10	319	11	16	30	121	2	23
<i>Hyperomyzus lactucae</i>	4	6	3							
<i>Macrosiphum euphorbiae</i>	153	144	22	2	2	4	2	2		1
<i>Megoura viciae</i>	1									1
<i>Metopolophium dirhodum</i>	59	165	27		5		1			
<i>Metopolophium festucae</i>	4	1						1	1	
<i>Myzus ascalonicus</i>		1								
<i>Myzus ornatus</i>										
<i>Myzus persicae</i> grp.	96	153	32	11	11	2	3	2	2	3
<i>Nasonovia ribis nigri</i>	8	1					1	3		
<i>Pemphigus</i> spp.	58	17	27	27	4	2	21	39	83	2
<i>Pentatrichopus fragaefolii</i>										
<i>Phorodon humuli</i>	1	2						1		
<i>Phyllaphis fagi</i>		1	2		2					
<i>Rhopalosiphum insertum</i>	54	95	223	24	139	145	240	92	25	9
<i>Rhopalosiphum maidis</i>				1	1			3	1	1
<i>Rhopalosiphum padi</i>	3148	2970	743	527	238	85	113	253	60	26
<i>Sitobion avenae</i>	205	262	36	68	15	40	47	58	14	13
<i>Sitobion fragariae</i>	61	27	14	1	7	2	2	5	1	

ROTHAMSTED INSECT SURVEY

1(f)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1974
13 August to 9 September 1974

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
	1	1	2	1		1			<i>Acyrtosiphon pisum</i>
56	19	8	16	1	19	5	2	8	<i>Aphis fabae</i> grp.
9	28	3	9	8	1	12	1	3	<i>Aphis</i> spp.
				1					<i>Amphorophora rubi</i>
					2			1	<i>Aulacorthum solani</i>
19	9	12	8	8	2	16	3	3	<i>Brachycaudus helichrysi</i>
1	2	1		7	1	2	8	1	<i>Brevicoryne brassicae</i>
1		1	3	1	2	1	1		<i>Cavariella aegopodii</i>
				1		1			<i>Cinara</i> spp.
9	34	1	63	50		63	18	12	<i>Drepanosiphum platanoidis</i>
		1	1						<i>Dysaphis plantaginea</i>
									<i>Elatobium abietinum</i>
1									<i>Eriosoma ulmi</i>
19	45	58	32	11	131	51	52	5	<i>Hyalopterus pruni</i>
1	2	4			3	1	1		<i>Hyperomyzus lactucae</i>
1			1	1	15			1	<i>Macrosiphum euphorbiae</i>
1	1					1			<i>Megoura viciae</i>
1	1	2	2		4	1	2		<i>Metopolophium dirhodum</i>
			1						<i>Metopolophium festucae</i>
								1	<i>Myzus ascalonicus</i>
1				1			1		<i>Myzus ornatus</i>
	2	1		1	597	4			<i>Myzus persicae</i> grp.
									<i>Nasonovia ribis nigr</i>
13	4	31	12	10	27	1	7	3	<i>Pemphigus</i> spp.
									<i>Pentatrichopus fragaefolii</i>
5	1	1	3	1		2			<i>Phorodon humuli</i>
		1				1			<i>Phyllaphis fagi</i>
35	47	27	39	30	28	11	60	18	<i>Rhopalosiphum insertum</i>
	2	1				1	1		<i>Rhopalosiphum maidis</i>
37	32	49	67	30	261	55	35	59	<i>Rhopalosiphum padi</i>
28	50	13	14	27	18	38	10	6	<i>Sitobion avenae</i>
3	2		6	1		6			<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1974, PART 2

TABLE

*The Rothamsted Insect Survey—Suction Traps: four-weekly total catches
Week Nos 37 to 40—*

Sites	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth
Species										
<i>Acyrtosiphon pisum</i>				1				1		1
<i>Aphis fabae</i> grp.	125	18	5	20	3	6	4	2	16	10
<i>Aphis</i> spp.	13	4	7	7	2	1	2	1	8	6
<i>Amphorophora rubi</i>		1								
<i>Aulacorthum solani</i>								1		
<i>Brachycaudus helichrysi</i>	28	10	20	22	13	12	31	15	36	10
<i>Brevicoryne brassicae</i>	11				48		1	2	1	
<i>Cavariella aegopodii</i>	7	9	2		6		1		2	
<i>Cinara</i> spp.	1	4	4						1	1
<i>Drepanosiphum platanoidis</i>	5	318	168	60	20	9	47	17	49	60
<i>Dysaphis plantaginea</i>				1			1		6	8
<i>Elatobium abietinum</i>										
<i>Eriosoma ulmi</i>		4							1	
<i>Hyalopterus pruni</i>	3	115	1	5	26	1	15	1	4	1
<i>Hyperomyzus lactucae</i>	2				1		1		1	
<i>Macrosiphum euphorbiae</i>						1	3	2	6	
<i>Megoura viciae</i>										
<i>Metopolophium dirhodum</i>	1			2		1	2		1	
<i>Metopolophium festucae</i>										
<i>Myzus ascalonicus</i>										
<i>Myzus ornatus</i>										
<i>Myzus persicae</i> grp.	16	13	10	5	2	4	14	5	7	
<i>Nasonovia ribis nigri</i>	4				4				1	1
<i>Pemphigus</i> spp.	91	21	34	50	46	6	11	18	49	86
<i>Pentatrichopus fragaefolii</i>										
<i>Phorodon humuli</i>	1								2	
<i>Phyllaphis fagi</i>		1	1	2				1		
<i>Rhopalosiphum insertum</i>	102	315	225	794	47	34	258	891	613	458
<i>Rhopalosiphum maidis</i>					3					
<i>Rhopalosiphum padi</i>	923	1117	1135	511	679	206	143	356	742	263
<i>Sitobion avenae</i>	2	2	2	1	1	4		8	9	8
<i>Sitobion fragariae</i>	13	2			1	1				1

ROTHAMSTED INSECT SURVEY

1(g)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1974
10 September to 7 October 1974

	Broom's Barn	Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
											Species
123	8	1	2	1	1	5			2		<i>Acyrtosiphon pisum</i>
	2	5	10	5	1	22	15	2			<i>Aphis fabae</i> grp.
		3	5	5	3	2	2				<i>Aphis</i> spp.
	2										<i>Amphorophora rubi</i>
54	25	60	17	10	23	1	81	12	1		<i>Aulacorthum solani</i>
6	1	2	4	1	1	3	1	1			<i>Brachycaudus helichrysi</i>
5		1				7	4				<i>Brevicoryne brassicae</i>
				1	1						<i>Cavariella aegopodii</i>
43	8	51	10	20	141	2	39	8	17		<i>Cinara</i> spp.
2		2	2	2	5	2	1	1			<i>Drepanosiphum platanoidis</i>
											<i>Dysaphis plantaginea</i>
3											<i>Elatobium abietinum</i>
8	1	2	33		1	36	9	1			<i>Eriosoma ulmi</i>
						1	1				<i>Hyalopterus pruni</i>
1	1	1			7	1	1				<i>Hyperomyzus lactucae</i>
			1								<i>Macrosiphum euphorbiae</i>
			1			1	1				<i>Megoura viciae</i>
			1	1		1	1			1	<i>Metopolophium dirhodum</i>
										2	<i>Metopolophium festucae</i>
1					1		1				<i>Myzus ascalonicus</i>
3	4	6	3	1		26	5				<i>Myzus ornatus</i>
											<i>Myzus persicae</i> grp.
25	45	15	50	13	33	49	16	14	1		<i>Nasonovia ribis nigri</i>
											<i>Pemphigus</i> spp.
	303		37	3		1	374				<i>Pentatrichopus fragaefolii</i>
											<i>Phorodon humuli</i>
122	71	121	34	305	124	50	189	385	53		<i>Phyllaphis fagi</i>
4		2				1	1				<i>Rhopalosiphum insertum</i>
190	217	174	281	423	195	489	633	119	35		<i>Rhopalosiphum maidis</i>
	5	1	3	4	6	5	11				<i>Rhopalosiphum padi</i>
			2		1	1	3	1			<i>Sitobion avenae</i>
											<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1974, PART 2

TABLE

The Rothamsted Insect Survey—Suction Traps: four-weekly total catches
Week Nos 41 to 44—

Sites	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth
Species										
<i>Acyrtosiphon pisum</i>						4		1	3	
<i>Aphis fabae</i> grp.						3		1	1	1
<i>Aphis</i> spp.	1		1							
<i>Amphorophora rubi</i>										
<i>Aulacorthum solani</i>										
<i>Brachycaudus helichrysi</i>	3	1	1	3		2	21	4	4	2
<i>Brevicoryne brassicae</i>										
<i>Cavariella aegopodii</i>	1	2			1	3	1	2	1	1
<i>Cinara</i> spp.	2	9					1			
<i>Drepanosiphum platanoidis</i>	24	379	106	41	4	74	29	78	171	73
<i>Dysaphis plantaginea</i>									3	2
<i>Elatobium abietinum</i>										
<i>Eriosoma ulmi</i>		13	1	1		1			2	
<i>Hyalopterus pruni</i>		10								
<i>Hyperomyzus lactucae</i>					2				3	
<i>Macrosiphum euphorbiae</i>					1				1	
<i>Megoura viciae</i>										
<i>Metopolophium dirhodum</i>	4			3		2	1	2	9	
<i>Metopolophium festucae</i>								3	1	
<i>Myzus ascalonicus</i>				1	1					
<i>Myzus ornatus</i>										
<i>Myzus persicae</i> grp.	1	7	3	2		5	7	2	2	
<i>Nasonovia ribis nigri</i>				2			1	1		1
<i>Pemphigus</i> spp.	80	17	5	5	9	19	13	9	28	19
<i>Pentatrichopus fragaefolii</i>										
<i>Phorodon humuli</i>	1								1	
<i>Phyllaphis fagi</i>		12		1		1	1			
<i>Rhopalosiphum insertum</i>	126	338	198	443	5	447	419	841	340	958
<i>Rhopalosiphum maidis</i>										
<i>Rhopalosiphum padi</i>	404	762	329	182	87	297	104	223	242	132
<i>Sitobion avenae</i>	1									
<i>Sitobion fragariae</i>	3		4	4		7	1	6	4	4

* Zeeland—8 October to 27 October

ROTHAMSTED INSECT SURVEY

1(h)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1974
8 October to 4 November 1974

Broom's Barn	Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland*	Wye, Kent	Starcross	Rosewarne	Sites	Species
53		1	1			3	1	2			<i>Acyrtosiphon pisum</i>
		1	2	3	1			1	1		<i>Aphis fabae</i> grp.
											<i>Aphis</i> spp.
			1	1							<i>Amphorophora rubi</i>
1	2	4		7	3		12	4	1		<i>Aulacorthum solani</i>
	1		1	1							<i>Brachycaudus helichrysi</i>
23		1	1	2		1	1	1			<i>Brevicoryne brassicae</i>
											<i>Cavariella aegopodii</i>
48	22	60	28	68	65	1	76	45	26		<i>Cinara</i> spp.
1	3	1		2	3		2				<i>Drepanosiphum platanoidis</i>
											<i>Dysaphis plantaginea</i>
1	3			4			6				<i>Elatobium abietinum</i>
1			3								<i>Eriosoma ulmi</i>
				1	1	1					<i>Hyalopterus pruni</i>
	1			1		2					<i>Hyperomyzus lactucae</i>
											<i>Macrosiphum euphorbiae</i>
	2		5	1	1	2	6	2			<i>Megoura viciae</i>
2	1		1				1				<i>Metopolophium dirhodum</i>
							1				<i>Metopolophium festucae</i>
				1		1	1				<i>Myzus ascalonicus</i>
1			1			2	2	2			<i>Myzus ornatus</i>
2		1			3				1		<i>Myzus persicae</i> grp.
27	15	5	27	8	40	2	1	6			<i>Nasonovia ribis nigri</i>
	3										<i>Pemphigus</i> spp.
							161				<i>Pentatrichopus fragaefolii</i>
							1				<i>Phorodon humuli</i>
272	221	107	75	540	316	20	113	453	111		<i>Phyllaphis fagi</i>
											<i>Rhopalosiphum insertum</i>
											<i>Rhopalosiphum maidis</i>
66	133	70	184	310	143	116	127	90	17		<i>Rhopalosiphum padi</i>
			1								<i>Sitobion avenae</i>
	5		5	12			2	1	1		<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1974, PART 2

TABLE
The Rothamsted Insect Survey—Light Traps: annual records

Pest species	Year	57 Ardross	58 Newton, Elgin	49 Fort Augustus	248 Banchory	29 Rannoch	47 Dundee	197 Dunblane	262 Copenhagen	98 Auchincruive	127 Kielder	108 Egremont	39 Chester le Street	133 Leighton Moss	72 Castletown, I.O.M.	68 Harrogate
<i>Gortyna micacea</i> Rosy Rustic	1972	151	151	30	—	28	7	17	—	11	31	—	7	29	14	5
	1973	96	81	44	64	39	11	9	15	3	18	9	9	47	17	13
<i>Bupalus piniaria</i> Bordered White	1972	0	1	3	—	0	0	1	—	0	6	—	0	0	0	0
	1973	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Panolis flammea</i> Pine Beauty	1972	2	6	6	—	4	0	0	—	0	0	—	0	0	0	0
	1973	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cerapteryx graminis</i> Antler Moth	1972	4	25	35	—	36	0	6	—	4	9	—	0	4	0	2
	1973	16	20	99	43	14	1	8	5	3	10	0	1	1	1	2
<i>Erannis aurantiaria</i> Scarce Umber	1972	42	3	22	—	61	0	0	—	0	56	—	0	2	0	0
	1973	26	8	41	145	3	0	1	0	0	46	0	1	0	0	1
<i>Operophtera fagata</i> Northern Winter Moth	1972	72	2	1	—	20	0	0	—	0	21	—	0	8	0	0
	1973	7	4	0	193	38	0	0	0	0	67	0	0	1	1	0
<i>Apamea sordens</i> Rustic Shoulder-knot	1972	1	7	1	—	0	3	5	—	0	0	—	0	0	1	0
	1973	0	2	1	0	0	11	4	8	2	0	3	0	1	10	0
<i>Gortyna flavago</i> Frosted Orange	1972	0	16	0	—	0	0	0	—	0	0	—	0	1	0	0
	1973	0	20	0	7	0	1	0	0	0	0	0	1	0	0	0
<i>Mamestra brassicae</i> Cabbage Moth	1972	0	0	0	—	0	24	8	—	1	1	—	2	0	0	0
	1973	0	0	0	0	0	3	2	1	0	0	1	2	0	0	0
<i>Noctua pronuba</i> Large Yellow Underwing	1972	11	38	16	—	3	8	15	—	7	1	—	5	5	29	10
	1973	6	29	9	2	0	31	13	9	7	32	38	42	44	48	24
<i>Diataraxia oleracea</i> Bright-line Brown-eye	1972	1	8	0	—	0	13	1	—	4	0	—	2	4	7	0
	1973	0	7	0	0	0	2	1	12	1	0	2	2	7	8	0
<i>Euxoa nigricans</i> Garden Dart	1972	5	0	0	—	0	0	0	—	0	0	—	4	0	0	0
	1973	2	0	0	0	0	9	0	0	0	0	0	1	0	0	0
<i>Apamea secalis</i> Common Rustic	1972	16	134	0	—	1	26	46	—	10	3	—	5	1	22	7
	1973	13	52	4	4	0	24	41	29	14	20	33	14	24	127	38
<i>Melanchra persicariae</i> Dot Moth	1972	0	0	0	—	0	0	0	—	0	0	—	0	0	0	0
	1973	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
<i>Operophtera brumata</i> Winter Moth	1972	11	6	8	—	26	4	13	—	0	64	—	0	5	1	1
	1973	45	5	29	47	10	2	3	4	0	51	0	0	0	0	2

ROTHAMSTED INSECT SURVEY

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of moths of economic, or other, interest for 1972 and 1973

	131 Spurn Head	157 Barnsley	85 Prestwich	240 Rhos on Sea	35 Bangor	257 Gleadthorpe	246 Connah's Quay	242 Denbigh	223 Gibraltar Point	237 Rhostryfan	245 Hope Mountain	189 Leek	244 Glyn Ceiriog	77 Maentwrog	79 Shardlow	Year	Pest species
	39	37	1	—	0	—	—	—	70	—	—	12	—	4	29	1972	<i>Gortyna micacea</i>
	15	89	0	0	0	44	19	2	33	27	0	12	1	2	40	1973	Rosy Rustic
	0	0	0	—	1	—	—	—	0	—	—	0	—	0	0	1972	<i>Bupalus piniaria</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Bordered White
	0	0	0	—	0	—	—	—	0	—	—	0	—	0	0	1972	<i>Panolis flammea</i>
	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	1973	Pine Beauty
	87	2	4	—	0	—	—	—	6	—	—	78	—	4	1	1972	<i>Cerapteryx graminis</i>
	64	5	0	2	8	15	2	0	5	0	138	222	12	9	2	1973	Antler Moth
	0	0	0	—	0	—	—	—	0	—	—	2	—	1	2	1972	<i>Erannis aurantiaria</i>
	0	0	0	0	0	0	0	0	0	0	1	7	0	0	3	1973	Scarce Umber
	0	0	0	—	0	—	—	—	0	—	—	6	—	22	0	1972	<i>Operophtera fagata</i>
	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1973	Northern Winter Moth
	1	2	1	—	0	—	—	—	11	—	—	0	—	0	2	1972	<i>Apamea sordens</i>
	11	7	7	0	0	0	0	1	8	1	1	1	0	0	0	1973	Rustic Shoulder-knot
	4	1	0	—	0	—	—	—	0	—	—	2	—	0	1	1972	<i>Gortyna flavago</i>
	2	6	0	0	0	4	0	0	1	0	0	5	5	0	4	1973	Frosted Orange
	1	9	15	—	4	—	—	—	0	—	—	1	—	0	1	1972	<i>Mamestra brassicae</i>
	0	6	4	0	2	0	0	1	1	4	0	0	0	0	2	1973	Cabbage Moth
	18	4	3	—	15	—	—	—	12	—	—	48	—	5	31	1972	<i>Noctua pronuba</i>
	104	10	21	33	169	5	78	77	11	19	69	235	41	11	12	1973	Large Yellow Underwing
	27	23	1	—	5	—	—	—	8	—	—	15	—	8	14	1972	<i>Diataraxia oleracea</i>
	13	10	3	0	5	19	6	4	3	6	0	12	0	3	2	1973	Bright-line Brown-eye
	1	0	1	—	0	—	—	—	0	—	—	0	—	0	0	1972	<i>Euxoa nigricans</i>
	0	0	0	0	1	0	0	0	1	0	0	0	1	0	2	1973	Garden Dart
	8	36	5	—	6	—	—	—	14	—	—	21	—	3	33	1972	<i>Apamea secalis</i>
	20	55	3	0	36	20	63	8	16	29	0	14	179	1	30	1973	Common Rustic
	0	3	0	—	0	—	—	—	0	—	—	0	—	19	4	1972	<i>Melanchra persicariae</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1973	Dot Moth
	1	1	0	—	0	—	—	—	0	—	—	15	—	30	12	1972	<i>Operophtera brumata</i>
	0	1	0	0	0	4	0	0	0	0	0	9	0	1	4	1973	Winter Moth

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Pest species	Year	160 Thorpe in the Glebe	201 Sutton Bonington	168 Sutton Bonington	216 Terrington	207 Pallaskenry	226 Staylittle	225 Newtown	126 Aberystwyth	94 Monks Wood	255 Ysppy Ystwyth	224 Llandindod Wells	129 Wellingborough	88 Broom's Barn	125 Sandy	236 Cardigan
<i>Gortyna micacea</i>	1972	29	5	11	23	25	—	—	19	135	—	—	1	6	0	—
Rosy Rustic	1973	19	3	5	16	14	6	16	27	52	59	17	4	10	1	55
<i>Bupalus piniaria</i>	1972	0	0	0	0	0	—	—	0	0	—	—	0	0	8	—
Bordered White	1973	0	0	0	0	0	6	0	0	0	1	0	0	0	4	0
<i>Panolis flammea</i>	1972	0	0	0	0	0	—	—	0	0	—	—	0	0	14	—
Pine Beauty	1973	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0
<i>Cerapteryx graminis</i>	1972	0	0	1	0	0	—	—	7	0	—	—	0	0	12	—
Antler Moth	1973	2	0	1	0	0	67	2	3	0	121	10	0	0	7	2
<i>Erannis aurantiaria</i>	1972	0	4	0	0	0	—	—	0	0	—	—	0	0	4	—
Scarce Umber	1973	0	0	0	0	0	0	33	0	0	2	0	0	0	3	0
<i>Operophtera fagata</i>	1972	0	0	0	0	0	—	—	0	2	—	—	0	0	0	—
Northern Winter Moth	1973	0	0	0	0	0	0	0	0	0	2	0	0	0	4	0
<i>Apamea sordens</i>	1972	0	1	3	3	0	—	—	0	0	—	—	3	0	0	—
Rustic Shoulder-knot	1973	1	2	4	3	0	0	0	0	0	0	0	0	2	2	0
<i>Gortyna flavago</i>	1972	2	1	1	2	0	—	—	0	0	—	—	0	1	0	—
Frosted Orange	1973	0	2	0	1	0	2	9	0	0	3	0	0	0	0	4
<i>Mamestra brassicae</i>	1972	0	0	1	1	0	—	—	0	0	—	—	0	2	1	—
Cabbage Moth	1973	0	1	1	5	0	0	0	0	0	3	0	0	0	2	0
<i>Noctua pronuba</i>	1972	22	15	47	0	12	—	—	10	5	—	—	2	1	1	—
Large Yellow Underwing	1973	34	14	19	0	14	4	13	32	9	93	5	5	1	2	52
<i>Diatraxia oleracea</i>	1972	5	7	32	9	5	—	—	2	3	—	—	6	3	16	—
Bright-line Brown-eye	1973	6	3	22	0	1	2	0	9	0	31	0	3	2	7	20
<i>Euxoa nigricans</i>	1972	2	0	0	2	0	—	—	0	0	—	—	0	0	1	—
Garden Dart	1973	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Apamea secalis</i>	1972	8	40	25	5	3	—	—	44	12	—	—	4	14	10	—
Common Rustic	1973	18	72	16	5	20	6	17	103	8	20	3	10	8	4	184
<i>Melanchra persicariae</i>	1972	1	5	3	1	0	—	—	2	7	—	—	0	8	1	—
Dot Moth	1973	0	2	4	2	0	0	0	6	1	0	0	0	0	0	0
<i>Operophtera brumata</i>	1972	15	7	8	2	10	—	—	5	3	—	—	8	0	8	—
Winter Moth	1973	4	2	1	0	4	3	6	5	0	53	1	2	1	24	1

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	139	Gwenffrwd	195	Pershore	235	Llangeler	145	Shenley Brook End	170	Howe Park	144	Bletchley Park	233	Trelech	231	Brecon	232	Capel Isaac	208	Whipsnade	182	Woodstock I	251	Harpenden	1	Rothamsted (Barnfield)	34	Rothamsted (Allotments)	22	Rothamsted (Geescroft)	Year	Pest species
12	6	12	7	11	55	16	25	17	14	5	1	105	17	18	19	10	19	10	10	5	0	1	12	2	12	102	3	8	1972	<i>Gortyna micacea</i>		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	<i>Bupalus piniaria</i>	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Bordered White	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	<i>Panolis flammea</i>	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Pine Beauty	
40	69	1	0	5	0	0	0	0	0	0	0	5	65	54	1	0	5	1	0	0	0	0	0	2	0	0	0	0	0	1972	<i>Cerapteryx graminis</i>	
																														1973	Antler Moth	
0	1	0	0	0	3	21	0	4	1	1	0	2	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	31	1972	<i>Erannis aurantiaria</i>		
																														1973	Scarce Umber	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	<i>Operophtera fagata</i>	
																														1973	Northern Winter Moth	
0	0	0	0	0	0	5	3	2	0	0	0	1	5	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1972	<i>Apamea sordens</i>	
																														1973	Rustic Shoulder-knot	
0	1	0	0	0	1	1	8	0	2	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	1972	<i>Gortyna flavago</i>	
																														1973	Frosted Orange	
0	0	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1972	<i>Mamestra brassicae</i>	
																														1973	Cabbage Moth	
1	116	—	11	158	9	—	—	—	6	1	—	7	0	98	1972	<i>Noctua pronuba</i>																
25	75	34	11	369	15	75	51	31	22	4	21	10	20	115	1973	Large Yellow Underwing																
17	0	—	21	3	6	—	—	—	3	4	—	10	0	2	1972	<i>Diataraxia oleracea</i>																
147	7	5	7	9	2	4	15	1	2	1	8	8	3	4	1973	Bright-line Brown-eye																
0	1	—	0	6	0	—	—	—	0	0	—	0	0	0	1972	<i>Euxoa nigricans</i>																
0	1	1	0	9	0	0	0	0	0	1	2	2	3	5	1973	Garden Dart																
0	25	—	67	113	18	—	—	—	43	0	—	31	11	27	1972	<i>Apamea secalis</i>																
5	38	57	13	401	13	77	6	25	19	14	37	28	70	155	1973	Common Rustic																
41	0	—	16	2	1	—	—	—	3	0	—	1	0	3	1972	<i>Melanchra persicariae</i>																
63	1	2	2	2	0	0	0	3	2	1	1	2	0	0	1973	Dot Moth																
19	26	—	4	137	0	—	—	—	8	0	—	0	0	154	1972	<i>Operophtera brumata</i>																
68	108	0	1	104	3	9	8	0	2	1	1	0	0	133	1973	Winter Moth																

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Pest species	Year	213 Gower	228 Cleppa Park	180 Hurley	90 Isleworth	16 Mortimer	130 Bath	171 Windlesham	69 Wisley	178 East Malling	215 Basingstoke	179 Pirbright	181 Wye	46 Alice Holt	92 Nettlecombe Court	174 Tenterden
<i>Gortyna micacea</i> Rosy Rustic	1972	34	—	16	1	6	1	1	13	30	1	10	9	16	36	157
	1973	67	10	15	0	6	0	0	12	19	5	6	6	5	27	99
<i>Bupalus piniaria</i> Bordered White	1972	0	—	0	0	0	0	4	0	0	0	0	0	0	0	0
	1973	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0
<i>Panolis flammea</i> Pine Beauty	1972	0	—	1	0	0	0	3	1	0	1	0	0	2	0	1
	1973	0	0	0	0	0	0	5	0	0	1	0	0	0	0	0
<i>Cerapteryx graminis</i> Antler Moth	1972	3	—	0	0	0	0	0	0	0	0	6	0	9	2	0
	1973	1	2	0	0	0	0	0	1	0	0	15	1	6	2	0
<i>Erannis aurantiaria</i> Scarce Umber	1972	0	—	1	0	1	0	8	2	0	4	2	0	4	0	0
	1973	0	0	0	0	8	0	43	7	0	3	0	0	4	1	1
<i>Operophtera fagata</i> Northern Winter Moth	1972	0	—	1	0	0	0	0	2	0	2	1	0	1	0	0
	1973	0	0	3	0	0	0	0	23	0	0	0	0	1	1	0
<i>Apamea sordens</i> Rustic Shoulder-knot	1972	0	—	2	1	0	0	0	3	1	0	3	0	0	0	0
	1973	0	1	3	0	0	0	1	0	3	0	7	0	0	0	0
<i>Gortyna flavago</i> Frosted Orange	1972	4	—	1	1	0	1	0	0	0	1	0	0	0	0	2
	1973	2	3	1	0	0	0	0	0	0	2	0	0	1	3	1
<i>Mamestra brassicae</i> Cabbage Moth	1972	4	—	0	0	0	49	2	0	1	4	0	5	0	1	0
	1973	1	0	0	0	2	2	1	0	2	1	0	1	0	0	0
<i>Noctua pronuba</i> Large Yellow Underwing	1972	11	—	6	4	47	12	10	13	5	37	8	10	22	6	13
	1973	28	21	6	1	9	27	5	4	7	30	10	14	32	13	12
<i>Diataraxia oleracea</i> Bright-line Brown-eye	1972	6	—	3	2	3	32	1	4	5	0	5	5	1	2	2
	1973	5	5	1	0	2	7	0	0	10	0	5	10	0	2	6
<i>Euxoa nigricans</i> Garden Dart	1972	0	—	0	0	0	0	0	0	0	0	0	1	0	0	0
	1973	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
<i>Apamea secalis</i> Common Rustic	1972	7	—	28	9	8	9	0	11	20	29	22	12	8	13	9
	1973	34	50	30	0	23	36	9	45	21	32	13	26	18	34	44
<i>Melanchra persicariae</i> Dot Moth	1972	0	—	2	0	1	0	0	0	7	1	0	1	0	1	5
	1973	0	0	0	0	0	0	0	0	0	2	2	0	1	0	0
<i>Operophtera brumata</i> Winter Moth	1972	20	—	1	5	34	0	19	28	3	9	5	18	5	31	9
	1973	16	0	4	4	177	0	43	26	9	1	0	12	10	15	11

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of moths of economic, or other, interest for 1972 and 1973

	219 Haslemere	186 Great Torrington	173 Lydd	104 Wellington	220 Brighton (Patcham)	78 Ringwood	163 Arne	149 Starcross	211 Torpoint	67 Slapton Ley	114 Rosewarne	227 Scilly Isles	252 Guernsey	146 Jersey	Year	Pest species
—	7	51	0	0	1	0	0	7	11	33	1	—	—	4	1972	<i>Gortyna micacea</i>
—	0	67	0	0	—	0	1	10	5	29	5	5	4	4	1973	Rosy Rustic
—	0	0	0	0	0	0	15	0	0	0	0	—	—	0	1972	<i>Bupalus piniaria</i>
—	0	0	0	0	0	0	11	0	0	0	0	0	0	0	1973	Bordered White
—	0	1	0	0	0	0	0	0	0	0	0	—	—	0	1972	<i>Panolis flammea</i>
—	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1973	Pine Beauty
—	1	0	1	0	0	0	1	0	0	0	0	—	—	0	1972	<i>Cerapteryx graminis</i>
—	0	0	38	0	0	0	0	0	0	0	0	0	0	0	1973	Antler Moth
—	6	0	0	0	0	0	1	0	0	0	0	—	—	0	1972	<i>Erannis aurantiaria</i>
—	0	0	0	0	0	0	3	0	0	0	0	0	1	0	1973	Scarce Umber
—	0	0	0	0	0	0	8	0	0	0	0	—	—	0	1972	<i>Operophtera fagata</i>
—	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Northern Winter Moth
—	1	2	0	0	—	0	0	0	0	0	0	—	—	0	1972	<i>Apamea sordens</i>
—	0	0	0	0	3	0	0	0	0	0	0	0	0	0	1973	Rustic Shoulder-knot
—	6	5	0	0	0	0	0	0	0	0	1	—	—	0	1972	<i>Gortyna flavago</i>
—	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1973	Frosted Orange
—	2	0	0	0	—	0	0	1	8	5	3	—	—	7	1972	<i>Mamestra brassicae</i>
—	1	0	0	0	1	0	0	0	12	6	1	1	22	20	1973	Cabbage Moth
—	9	0	0	23	—	0	0	2	3	10	1	—	—	0	1972	<i>Noctua pronuba</i>
42	33	1	10	15	12	30	3	3	13	21	13	22	5	1	1973	Large Yellow Underwing
—	17	0	0	—	2	3	0	0	18	21	13	—	—	10	1972	<i>Diataraxia oleracea</i>
16	10	0	1	16	6	6	0	0	7	21	17	32	28	5	1973	Bright-line Brown-eye
—	0	0	0	—	0	0	0	0	0	0	2	—	—	0	1972	<i>Euxoa nigricans</i>
—	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1973	Garden Dart
—	37	0	0	—	0	1	4	13	2	9	—	—	—	3	1972	<i>Apamea secalis</i>
28	111	0	5	52	5	16	11	27	68	49	10	26	10	10	1973	Common Rustic
—	14	0	9	—	1	0	0	0	1	4	—	—	—	2	1972	<i>Melanchra persicariae</i>
7	12	0	0	0	0	0	0	0	0	14	0	0	0	0	1973	Dot Moth
—	6	0	0	—	0	2	1	32	1	0	—	—	—	1	1972	<i>Operophtera brumata</i>
8	8	0	0	1	5	34	5	14	5	1	0	0	0	0	1973	Winter Moth

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Pest species	Year	57 Ardross	58 Newton, Elgin	49 Fort Augustus	248 Banchory	29 Rannoch	47 Dundee	197 Dunblane	262 Copenhagen	98 Auchincruive	127 Kielder	108 Egremont	39 Chester le Street	133 Leighton Moss	72 Castletown, I.O.M.	68 Harrogate
<i>Abraxas grossulariata</i>	1972	0	0	0	—	0	0	0	—	0	1	—	0	11	9	3
Magpie Moth	1973	0	0	0	0	0	0	12	2	0	0	0	0	5	6	20
<i>Agrotis segetum</i>	1972	0	2	0	—	0	3	1	—	0	0	—	0	1	0	0
Turnip Moth	1973	0	1	0	0	0	8	0	21	4	0	0	0	0	1	0
<i>Erannis defoliaria</i>	1972	4	3	2	—	1	3	2	—	0	7	—	0	6	2	1
Mottled Umber	1973	4	2	0	10	5	2	1	1	0	6	0	0	5	4	3
<i>Phlogophora meticulosa</i>	1972	0	0	0	—	0	0	0	—	0	0	—	0	6	2	0
Angle Shades	1973	1	0	1	0	0	0	0	0	1	0	1	0	8	2	1
<i>Alsophila aescularia</i>	1972	15	10	12	—	0	2	0	—	0	0	—	0	22	0	1
March Moth	1973	12	1	0	0	0	0	2	0	0	0	0	0	17	0	0
<i>Hepialus humuli</i>	1972	0	0	0	—	0	1	0	—	0	0	—	1	0	0	0
Ghost Swift	1973	1	0	0	2	3	1	1	0	0	0	1	2	3	0	1
<i>Hepialus lupulina</i>	1972	0	0	0	—	9	1	0	—	0	0	—	0	2	0	4
Common Swift	1973	0	0	0	0	19	0	0	2	0	4	2	0	5	0	13
<i>Agrotis ipsilon</i>	1972	0	0	0	—	0	0	0	—	0	0	—	0	0	1	0
Dark Sword Grass	1973	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0
<i>Euproctis chrysorrhoea</i>	1972	0	0	0	—	0	0	0	—	0	0	—	0	0	0	0
Brown-tail	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agrotis exclamationis</i>	1972	0	6	2	—	0	14	1	—	2	0	—	2	5	69	6
Heart and Dart	1973	0	25	1	0	0	11	3	30	3	0	16	11	17	37	8
<i>Plusia gamma</i>	1972	0	1	2	—	7	2	3	—	0	3	—	6	1	6	1
Silver Y	1973	2	1	18	0	2	5	7	19	0	11	0	65	31	68	48
<i>Laphygma exigua</i>	1972	0	0	0	—	0	0	0	—	0	0	—	0	0	0	0
Small Mottled Willow	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nycterosea obstipata</i>	1972	0	0	0	—	0	0	0	—	0	0	—	0	0	0	0
The Gem	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Nomophila noctuella</i>	1972	0	0	0	—	0	0	—	—	0	0	—	0	0	—	—
Rush Veneer Pearl	1973	0	0	0	0	0	0	—	0	0	0	0	0	0	0	0
<i>Plutella maculipennis</i>	1972	0	0	0	—	6	593	—	—	0	0	—	0	0	—	—
Diamond-back Moth	1973	0	33	0	5	1	651	—	2263	269	13	3	1	47	0	0
<i>Udea ferrugalis</i>	1972	0	0	0	—	0	0	—	—	0	0	—	0	0	—	—
Rusty Dot Pearl	1973	0	0	0	0	0	0	—	0	0	1	0	0	0	0	0

ROTHAMSTED INSECT SURVEY

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of moths of economic, or other, interest for 1972 and 1973

	131 Spurn Head	157 Barnsley	85 Prestwich	240 Rhos on Sea	35 Bangor	257 Gleadthorpe	246 Connah's Quay	242 Denbigh	223 Gibraltar Point	237 Rhostryfan	245 Hope Mountain	189 Leek	244 Glyn Ceiriog	77 Maentwrog	79 Shardlow	Year	Pest species
	1	0	4	—	0	—	—	—	0	—	—	0	—	0	7	1972	<i>Abraxas grossulariata</i>
	2	4	1	7	1	1	80	16	0	49	36	0	19	0	10	1973	Magpie Moth
	0	0	0	—	1	—	—	—	1	—	—	0	—	0	—	1972	<i>Agrotis segetum</i>
	0	0	0	0	0	2	1	0	0	0	0	0	1	0	4	1973	Turnip Moth
	0	0	0	—	0	—	—	—	0	—	—	12	—	154	5	1972	<i>Erannis defoliaria</i>
	0	0	0	0	0	1	0	0	0	2	0	3	1	193	1	1973	Mottled Umber
	8	0	0	—	3	—	—	—	4	—	—	3	—	0	13	1972	<i>Phlogophora meticulosa</i>
	2	0	0	2	4	1	0	0	8	3	5	1	2	0	8	1973	Angle Shades
	0	2	0	—	0	—	—	—	1	—	—	16	—	37	20	1972	<i>Alsophila aescularia</i>
	0	0	0	0	1	1	1	3	6	11	0	0	4	10	4	1973	March Moth
	0	1	1	—	0	—	—	—	0	—	—	5	—	0	3	1972	<i>Hepialus humuli</i>
	1	0	0	0	0	2	0	0	0	0	0	8	0	0	2	1973	Ghost Swift
	17	2	0	—	0	—	—	—	37	—	—	11	—	0	22	1972	<i>Hepialus lupulina</i>
	87	22	2	11	0	8	0	0	21	2	13	7	56	0	37	1973	Common Swift
	0	0	0	—	0	—	—	—	0	—	—	0	—	0	0	1972	<i>Agrotis ipsilon</i>
	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1973	Dark Sword Grass
	0	0	0	—	0	—	—	—	0	—	—	0	—	0	0	1972	<i>Euproctis chrysorrhoea</i>
	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Brown-tail
	12	29	14	—	9	11	20	13	63	77	10	40	—	4	144	1972	<i>Agrotis exclamationis</i>
	29	18	23	9	25	11	—	—	36	—	—	48	35	1	33	1973	Heart and Dart
	8	1	0	—	1	—	—	—	11	—	—	0	—	1	6	1972	<i>Plusia gamma</i>
	62	69	1	115	14	13	0	250	194	3	15	15	34	1	18	1973	Silver Y
	0	0	0	—	0	—	—	—	0	—	—	0	—	0	0	1972	<i>Laphygma exigua</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Small Mottled Willow
	0	0	0	—	0	—	—	—	0	—	—	0	—	0	0	1972	<i>Nycterosea obstipata</i>
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	The Gem
	0	0	0	—	0	—	—	—	0	—	—	0	—	—	—	1972	<i>Nomophila noctuella</i>
	1	0	0	0	0	0	0	0	0	0	0	0	—	—	0	1973	Rush Veneer Pearl
	62	98	31	—	1	—	—	—	0	—	—	0	—	—	—	1972	<i>Plutella maculipennis</i>
	164	151	594	0	11	228	16	31	0	1	31	0	—	—	108	1973	Diamond-back Moth
	0	0	0	—	0	—	—	—	0	—	—	0	—	—	—	1972	<i>Udea ferrugalis</i>
	1	0	0	0	0	0	0	0	0	0	0	0	—	—	0	1973	Rusty Dot Pearl

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Pest species	Year	160 Thorpe in the Glebe	201 Sutton Bonington	168 Sutton Bonington	216 Terrington	207 Pallaskenry	226 Staylittle	225 Newtown	126 Aberystwyth	94 Monks Wood	255 Yspty Ystwyth	224 Llandrindod Wells	129 Wellingborough	88 Broom's Barn	125 Sandy	236 Cardigan
<i>Abraxas grossulariata</i>	1972	57	3	0	2	21	—	—	6	6	—	—	0	1	0	—
Magpie Moth	1973	81	2	1	1	29	1	171	17	6	7	1	9	1	2	230
<i>Agrotis segetum</i>	1972	0	1	1	1	0	—	—	0	2	—	—	0	9	2	—
Turnip Moth	1973	0	5	5	0	0	0	0	0	0	1	0	0	0	2	0
<i>Erannis defoliaria</i>	1972	17	1	0	0	1	—	—	2	0	—	—	0	0	10	—
Mottled Umber	1973	7	2	1	0	3	1	29	2	0	4	0	0	0	32	0
<i>Phlogophora meticulosa</i>	1972	6	4	8	5	4	—	—	15	8	—	—	6	2	1	—
Angle Shades	1973	1	3	1	5	2	0	0	2	1	25	9	6	11	2	1
<i>Alsophila aescularia</i>	1972	60	16	0	6	3	—	—	4	17	—	—	2	8	22	—
March Moth	1973	38	3	5	2	1	1	3	0	1	10	2	1	3	5	0
<i>Hepialus humuli</i>	1972	1	0	1	0	1	—	—	5	2	—	—	0	0	0	—
Ghost Swift	1973	2	0	0	1	1	0	7	7	2	12	1	0	1	0	2
<i>Hepialus lupulina</i>	1972	23	1	20	10	0	—	—	0	6	—	—	3	0	0	—
Common Swift	1973	77	11	30	13	0	0	0	1	3	1	0	2	7	11	2
<i>Agrotis ipsilon</i>	1972	0	0	0	0	0	—	—	0	0	—	—	0	0	0	—
Dark Sword Grass	1973	0	0	0	0	0	0	0	1	0	2	0	0	0	0	2
<i>Euproctis chrysorrhoea</i>	1972	0	0	0	0	0	—	—	0	0	—	—	0	0	0	—
Brown-tail	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agrotis exclamationis</i>	1972	272	110	307	39	0	—	—	27	316	—	—	31	126	56	—
Heart and Dart	1973	26	48	131	10	10	5	13	108	114	71	3	15	21	31	274
<i>Plusia gamma</i>	1972	5	16	3	0	0	—	—	1	3	—	—	6	5	2	—
Silver Y	1973	74	112	52	21	2	8	63	63	45	398	18	51	25	37	48
<i>Laphygma exigua</i>	1972	0	0	0	0	0	—	—	0	0	—	—	0	0	0	—
Small Mottled Willow	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nycterosea obstipata</i>	1972	0	0	0	0	0	—	—	0	0	—	—	0	0	0	—
The Gem	1973	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<i>Nomophila noctuella</i>	1972	—	0	0	0	—	—	—	0	0	—	—	0	0	0	—
Rush Veneer Pearl	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Plutella maculipennis</i>	1972	—	0	0	378	—	—	—	5	0	—	—	0	38	34	—
Diamond-back Moth	1973	0	306	93	287	0	6	1	345	0	86	97	0	227	358	72
<i>Udea ferrugalis</i>	1972	—	0	0	0	—	—	—	0	0	—	—	0	0	0	—
Rusty Dot Pearl	1973	0	0	0	0	0	0	1	1	0	4	0	0	0	0	2

ROTHAMSTED INSECT SURVEY

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of moths of economic, or other, interest for 1972 and 1973

	139	195	235	145	170	144	233	231	232	208	182	251	1	34	22	Year	Pest species
	Gwenffrd	Pershore	Llangeler	Shenley Brook End	Howe Park	Bletchley Park	Trelech	Brecon	Capel Isaac	Whipsnade	Woodstock I	Harpenden	Rothamsted (Barnfield)	Rothamsted (Allotments)	Rothamsted (Geescroft)		
	0	11	—	31	231	2	—	—	—	17	15	—	3	1	69	1972	<i>Abraxas grossulariata</i>
	1	25	138	17	162	4	225	51	144	21	50	38	1	6	38	1973	Magpie Moth
	0	0	—	1	2	5	—	—	—	3	0	—	4	3	4	1972	<i>Agrotis segetum</i>
	0	8	0	0	10	2	0	0	0	1	4	3	0	1	7	1973	Turnip Moth
	18	7	—	0	50	0	—	—	—	2	0	—	0	0	33	1972	<i>Erannis defoliaria</i>
	6	40	0	1	92	0	3	2	1	1	3	0	0	0	38	1973	Mottled Umber
	1	10	—	1	17	0	—	—	—	3	0	—	0	0	0	1972	<i>Phlogophora meticulosa</i>
	0	11	1	3	32	3	3	1	4	1	0	7	1	3	11	1973	Angle Shades
	15	37	—	25	89	0	—	—	—	27	7	—	3	1	28	1972	<i>Alsophila aescularia</i>
	3	78	12	1	50	0	12	3	35	7	8	3	0	0	48	1973	March Moth
	0	1	—	0	0	0	—	—	—	1	0	—	3	1	0	1972	<i>Hepialus humuli</i>
	0	1	0	0	0	0	0	0	0	0	0	0	1	1	3	1973	Ghost Swift
	0	0	—	1	5	0	—	—	—	55	1	—	13	1	18	1972	<i>Hepialus lupulina</i>
	0	3	1	30	8	6	1	0	0	70	10	4	25	4	20	1973	Common Swift
	0	0	—	0	0	0	—	—	—	1	0	—	0	0	0	1972	<i>Agrotis ipsilon</i>
	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1973	Dark Sword Grass
	0	0	—	0	0	0	—	—	—	12	0	—	0	0	0	1972	<i>Euproctis chrysorrhoea</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Brown-tail
	14	30	—	372	107	122	—	—	—	217	70	—	64	28	37	1972	<i>Agrotis exclamationis</i>
	70	31	90	29	270	41	24	269	40	69	11	20	5	34	27	1973	Heart and Dart
	0	3	—	3	10	4	—	—	—	1	0	—	6	0	8	1972	<i>Plusia gamma</i>
	35	32	44	13	30	35	31	11	19	16	32	150	23	14	42	1973	Silver Y
	0	0	—	0	0	0	—	—	—	0	0	—	0	0	0	1972	<i>Laphygma exigua</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Small Mottled Willow
	0	0	—	0	0	0	—	—	—	0	0	—	0	0	0	1972	<i>Nycterosea obstipata</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	The Gem
	0	0	—	0	0	0	—	—	—	0	0	—	0	0	0	1972	<i>Nomophila noctuella</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Rush Veneer Pearl
	0	0	—	4	0	11	—	—	—	1	0	—	32	2	0	1972	<i>Plutella maculipennis</i>
	1	5	53	16	1	9	0	77	1	32	0	156	840	1648	11	1973	Diamond-back Moth
	0	0	—	0	0	0	—	—	—	0	0	—	0	0	0	1972	<i>Udea ferrugalis</i>
	3	1	0	0	0	0	0	0	1	0	0	0	0	2	0	1973	Rusty Dot Pearl

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Pest species	Year	Gower 213	Cleppa Park 228	Hurley 180	Isleworth 90	Mortimer 16	Bath 130	Windesham 171	Wisley 69	East Malling 178	Basingstoke 215	Pirbright 179	Wye 181	Alice Holt 46	Nettlecombe Court 92	Tenterden 174
<i>Abraxas grossulariata</i> Magpie Moth	1972	13	—	11	0	35	0	0	1	3	0	0	4	0	6	44
	1973	22	2	13	0	21	0	0	0	4	0	0	18	0	10	47
<i>Agrotis segetum</i> Turnip Moth	1972	0	—	4	0	0	2	0	0	3	0	1	2	0	0	0
	1973	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
<i>Erannis defoliaria</i> Mottled Umber	1972	49	—	4	0	15	0	44	32	0	12	0	7	14	12	7
	1973	38	1	9	0	23	2	49	31	0	5	0	5	21	8	11
<i>Phlogophora meticulosa</i> Angle Shades	1972	5	—	3	0	0	0	1	1	10	1	2	10	2	5	4
	1973	0	0	2	0	0	1	0	2	1	4	0	8	1	12	2
<i>Alsophila aescularia</i> March Moth	1972	16	—	15	0	13	3	5	24	5	3	0	21	55	6	20
	1973	12	2	11	0	1	1	9	33	1	4	4	23	19	10	4
<i>Hepialus humuli</i> Ghost Swift	1972	1	—	4	0	0	0	0	2	5	2	0	0	0	0	0
	1973	0	3	0	0	1	0	0	0	1	1	1	0	0	0	0
<i>Hepialus lupulina</i> Common Swift	1972	3	—	20	75	16	0	1	0	4	2	1	84	0	0	5
	1973	6	0	55	20	4	0	4	1	7	0	3	73	2	1	3
<i>Agrotis ipsilon</i> Dark Sword Grass	1972	0	—	0	0	0	0	0	0	0	0	0	0	0	1	0
	1973	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0
<i>Euproctis chrysorrhoea</i> Brown-tail	1972	0	—	0	0	0	0	0	0	1	0	0	1	0	0	0
	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agrotis exclamationis</i> Heart and Dart	1972	40	—	41	1	66	19	10	20	77	37	48	169	30	12	113
	1973	39	95	49	1	30	22	8	19	21	15	52	97	32	34	32
<i>Plusia gamma</i> Silver Y	1972	2	—	0	0	7	0	2	15	0	26	0	20	0	20	3
	1973	137	3	9	1	15	6	24	85	5	81	15	44	39	134	18
<i>Laphygma exigua</i> Small Mottled Willow	1972	0	—	0	0	0	0	0	0	2	0	0	0	0	0	0
	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nyctosea obstipata</i> The Gem	1972	0	—	0	0	0	0	0	0	0	0	0	0	0	0	0
	1973	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nomophila noctuella</i> Rush Veneer Pearl	1972	2	—	0	0	—	—	0	0	0	—	—	0	0	0	—
	1973	0	0	0	0	0	0	0	0	0	0	—	0	1	0	0
<i>Plutella maculipennis</i> Diamond-back Moth	1972	0	—	3	93	—	—	0	0	1351	—	—	58	25	0	—
	1973	0	244	240	15	0	0	14	0	2527	0	—	119	142	15	0
<i>Udea ferrugalis</i> Rusty Dot Pearl	1972	0	—	0	0	—	—	0	0	0	—	—	0	0	0	—
	1973	0	0	1	1	2	0	0	0	0	0	—	0	1	1	0

ROTHAMSTED INSECT SURVEY

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of moths of economic, or other, interest for 1972 and 1973

	219 Haslemere	186 Great Torrington	173 Lydd	104 Wellington	220 Brighton (Patcham)	78 Ringwood	163 Arne	149 Starcross	211 Torpoint	67 Slapton Ley	114 Rosewarne	227 Scilly Isles	252 Guernsey	146 Jersey	Year	Pest species
—	0	160	1	13	84	0	0	4	25	4	1	22	34	11	1972	<i>Abraxas grossulariata</i>
0	135	1	16	16	84	2	1	7	60	27	16	22	34	11	1973	Magpie Moth
—	1	0	0	0	—	0	0	0	0	1	13	—	—	0	1972	<i>Agrotis segetum</i>
—	0	0	0	0	1	0	0	0	0	0	10	0	1	6	1973	Turnip Moth
—	4	0	0	4	—	4	5	0	1	0	0	—	—	0	1972	<i>Erannis defoliaria</i>
4	0	0	0	0	0	1	13	0	0	0	0	0	0	0	1973	Mottled Umber
—	9	8	27	—	0	0	0	7	2	0	—	—	—	2	1972	<i>Phlogophora meticulosa</i>
4	4	0	0	0	0	3	0	1	4	1	1	0	12	5	1973	Angle Shades
—	15	0	1	—	1	3	2	2	3	0	—	—	—	4	1972	<i>Alsophila aescularia</i>
7	6	0	0	0	1	0	0	6	4	0	0	0	0	1	1973	March Moth
—	1	0	0	—	0	0	0	0	1	4	—	—	—	0	1972	<i>Hepialus humuli</i>
0	0	0	0	0	1	0	1	0	0	3	0	0	0	0	1973	Ghost Swift
—	1	5	0	—	0	0	0	5	0	1	—	—	—	0	1972	<i>Hepialus lupulina</i>
0	0	6	0	29	0	0	0	3	0	0	1	0	1	0	1973	Common Swift
—	0	0	0	—	0	0	0	0	0	0	—	—	—	0	1972	<i>Agrotis ipsilon</i>
0	0	0	0	1	0	0	0	2	0	0	0	2	5	0	1973	Dark Sword Grass
—	0	29	0	—	0	0	0	0	0	0	—	—	—	0	1972	<i>Euproctis chrysorrhoea</i>
0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	1973	Brown-tail
—	219	56	2	—	5	7	40	27	79	102	—	—	—	27	1972	<i>Agrotis exclamatoris</i>
40	316	30	52	8	19	5	47	10	197	112	57	25	13	13	1973	Heart and Dart
—	9	17	3	—	2	1	14	33	3	5	—	—	—	10	1972	<i>Plusia gamma</i>
49	90	15	41	15	4	67	186	277	71	132	18	17	55	55	1973	Silver Y
—	0	0	0	—	0	0	0	0	0	0	—	—	—	0	1972	<i>Laphygma exigua</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1973	Small Mottled Willow
—	0	0	0	—	0	0	0	0	0	0	—	—	—	0	1972	<i>Nycterosea obstipata</i>
0	2	0	0	0	1	1	1	0	0	0	1	1	4	4	1973	The Gem
—	0	—	—	—	—	0	0	0	0	0	—	—	—	0	1972	<i>Nomophila noctuella</i>
1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1973	Rush Veneer Pearl
—	3	—	—	—	—	36	189	2	9	374	—	—	—	92	1972	<i>Plutella maculipennis</i>
47	87	0	0	179	0	101	578	0	126	0	48	181	566	566	1973	Diamond-back Moth
—	0	—	—	—	—	0	0	0	0	0	—	—	—	0	1972	<i>Udea ferrugalis</i>
1	0	0	0	1	0	0	0	0	0	1	3	71	1	4	1973	Rusty Dot Pearl