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ROTHAMSTED
RESEARCH

Rothamsted Experimental Station Report for 1973 Part 2



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Rothamsted Insect Survey - Fifth Annual Summary

L. R. Taylor and R. A. French

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Rothamsted Insect Survey

Fifth Annual Summary

L. R. TAYLOR and R. A. FRENCH

Suction traps

Aphid bulletins were issued weekly from 16 April 1973 (Bulletin No. 1) to 4 November 1973 (Bulletin No. 29). The species listed in Table 1(a-h) are those in the Bulletin and the same as in 1972.

A new trap at Rainham, Essex, commenced operation on 26 March 1973. The Zeeland trap developed a fault and did not operate from 18 April 1973 to 22 May 1973. The trap at Newcastle did not operate after 30 August 1973. Other traps were in operation at Garston, Hertfordshire, and Rothamsted Farm (two traps) but they are not included in Table 1.

Catches from Zeeland, Brooms Barn and Aberystwyth were identified by D. Hille Ris Lambers of Bladluisonderzoek T.N.O., G. D. Heathcote of Brooms Barn and J. A'Brook of the Welsh Plant Breeding Station. H. L. G. Stroyan of the M.A.F.F. Plant Pathology Laboratories confirmed difficult determinations.

The Bulletin sent out on Friday lists the aphids caught between five and 12 days previously, except Zeeland and Copenhagen which were caught 12 to 19 days previously. The Bulletin covers the working week, Monday to Sunday. Table 1 is for four Standard Week periods constant from year to year (see *Rothamsted Report for 1972*, Part 2, p. 211, Table 4).

The sample volume was halved at some sites at peak periods during the year to reduce the size of the catch, both the weekly Bulletin and Table 1 are corrected for this reduction.

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 1971 and 1972 of the same 31 pest, or migratory, Lepidoptera as in previous years. Twenty-five new sites makes a total of 88 in the Table. At the end of 1973 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 records.

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

ROTHAMSTED INSECT SURVEY

Table 1(a-h)

The Rothamsted Insect Survey—Suction Traps: four-weekly total catches of aphids of economic, or other, interest reported in the Weekly Bulletin 1973

Pages 242–257

Table 2(a-f)

The Rothamsted Insect Survey—Light Traps: annual records of moths of economic, or other, interest for 1971 and 1972

Pages 258–269

ROTHAMSTED REPORT FOR 1973, PART 2

TABLE

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

Species	Sites							
	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Shardlow	Aberystwyth
<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>								
<i>Eriosoma ulmi</i>								
<i>Hyalopterus pruni</i>								
<i>Hyperomyzus lactucae</i>								
<i>Macrosiphum euphorbiae</i>								
<i>Megoura viciae</i>								
<i>Metopolophium dirhodum</i>								
<i>Metopolophium festucae</i>							1	1
<i>Myzus ascalonicus</i>							1	
<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>								
<i>Rhopalosiphum maidis</i>								
<i>Rhopalosiphum padi</i>								3
<i>Sitobion avenae</i>								
<i>Sitobion fragariae</i>								
First aphid caught							Apr 17	Apr 15

ROTHAMSTED INSECT SURVEY

1(a)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1973
26 March to 22 April 1973

Broom's Barn	Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Wye, Kent	Starcross	Rosewarne	Sites
									Species
							1		<i>Acyrtosiphon pisum</i>
									<i>Aphis fabae</i> grp.
									<i>Aphis</i> spp.
			1						<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>
									<i>Eriosoma ulmi</i>
									<i>Hyalopterus pruni</i>
			2						<i>Hyperomyzus lactucae</i>
									<i>Macrosiphum euphorbiae</i>
									<i>Megoura viciae</i>
			3			1	1		<i>Metopolophium dirhodum</i>
			6	5	2	1	1		<i>Metopolophium festucae</i>
			2	1			2		<i>Myzus ascalonicus</i>
									<i>Myzus ornatus</i>
				1					<i>Myzus persicae</i> grp.
									<i>Nasonovia ribis nigri</i>
									<i>Pemphigus</i> spp.
									<i>Pentatrachopus fragaefolii</i>
									<i>Phorodon humuli</i>
									<i>Phyllaphis fagi</i>
									<i>Rhopalosiphum insertum</i>
			2				1		<i>Rhopalosiphum maidis</i>
									<i>Rhopalosiphum padi</i>
			1						<i>Sitobion avenae</i>
									<i>Sitobion fragariae</i>
			Apr 13	Apr 11	Apr 20	Apr 14	Apr 1		First aphid caught

ROTHAMSTED REPORT FOR 1973, PART 2

TABLE

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

Species	Sites							
	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Shardlow	Aberystwyth
<i>Acyrtosiphon pisum</i>								
<i>Aphis fabae</i> grp.								
<i>Aphis</i> spp.							1	
<i>Amphorophora rubi</i>								
<i>Aulacorthum solani</i>							2	4
<i>Brachycaudus helichrysi</i>			2				4	
<i>Brevicoryne brassicae</i>								
<i>Cavariella aegopodii</i>							1	
<i>Cinara</i> spp.								
<i>Drepanosiphum platanoidis</i>								
<i>Dysaphis plantaginea</i>								
<i>Elatobium abietinum</i>		1		1	2		2	35
<i>Eriosoma ulmi</i>								
<i>Hyalopterus pruni</i>								1
<i>Hyperomyzus lactucae</i>							1	15
<i>Macrosiphum euphorbiae</i>								
<i>Megoura viciae</i>								
<i>Metopolophium dirhodum</i>								
<i>Metopolophium festucae</i>				1		1	21	3
<i>Myzus ascalonicus</i>		1	4		3	5	32	8
<i>Myzus ornatus</i>			1				5	
<i>Myzus persicae</i> grp.								4
<i>Nasonovia ribis nigri</i>								
<i>Pemphigus</i> spp.								
<i>Pentatrichopus fragaefolii</i>								
<i>Phorodon humuli</i>								
<i>Phyllaphis fagi</i>							1	
<i>Rhopalosiphum insertum</i>							1	
<i>Rhopalosiphum maidis</i>								
<i>Rhopalosiphum padi</i>				2			4	20
<i>Sitobion avenae</i>								1
<i>Sitobion fragariae</i>								1
First aphid caught		May 15	Apr 25	May 17	May 5	Apr 25		

ROTHAMSTED INSECT SURVEY

1(b)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1973
23 April to 20 May 1973

	Broom's Barn	Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Wye, Kent	Starcross	Rosewarne	Sites
				4		2	3			Species
				2		4		1		<i>Acyrtosiphon pisum</i>
					2	1	1	1	1	<i>Aphis fabae</i> grp.
				1						<i>Aphis</i> spp.
	2	1		1	2	1	1	4		<i>Amphorophora rubi</i>
			9	1	12	21		3	1	<i>Aulacorthum solani</i>
	1		3	51	1	7		5	2	<i>Brachycaudus helichrysi</i>
	1	8		8						<i>Brevicoryne brassicae</i>
	6	8	6		3	194	8	22	1	<i>Cavariella aegopodii</i>
										<i>Cinara</i> spp.
										<i>Drepanosiphum platanoidis</i>
										<i>Dysaphis plantaginea</i>
										<i>Elatobium abietinum</i>
										<i>Eriosoma ulmi</i>
					1	1				<i>Hyalopterus pruni</i>
				7		7	1	2		<i>Hyperomyzus lactucae</i>
										<i>Macrosiphum euphorbiae</i>
				10	4	2			1	<i>Megoura viciae</i>
	3	10	10	16	14	19	6	5	5	<i>Metopolophium dirhodum</i>
	5	11	18	63	30	56	19	7	8	<i>Metopolophium festucae</i>
	1		3	3	18	5	1	2		<i>Myzus ascalonicus</i>
	1	1		18	5	4	2	1		<i>Myzus ornatus</i>
					1	2				<i>Myzus persicae</i> grp.
										<i>Nasonovia ribis nigri</i>
										<i>Pemphigus</i> spp.
										<i>Pentatrachopus fragaefolii</i>
										<i>Phorodon humuli</i>
						9				<i>Phyllaphis fagi</i>
			2	9	8	5				<i>Rhopalosiphum insertum</i>
										<i>Rhopalosiphum maidis</i>
		1		43	2	19	1	19	4	<i>Rhopalosiphum padi</i>
				17	3	9	1	7	4	<i>Sitobion avenae</i>
						3		1		<i>Sitobion fragariae</i>
May 1	Apr 27	Apr 25							Apr 25	First aphid caught

ROTHAMSTED REPORT FOR 1973, PART 2

TABLE

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

Species	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Shardlow	Aberystwyth	Broom's Barn
<i>Acyrtosiphon pisum</i>	1			3	1	1	5	7	4
<i>Aphis fabae</i> grp.		1	11	2	4	4	18	5	22
<i>Aphis</i> spp.	2		2	7	2	4	27	6	3
<i>Amphorophora rubi</i>							2	1	4
<i>Aulacorthum solani</i>	1		2	3	1		34	12	4
<i>Brachycaudus helichrysi</i>	20	146	67	20	53	210	744	169	570
<i>Brevicoryne brassicae</i>							2	3	1
<i>Cavariella aegopodii</i>	9	15	26	50	12	42	996	46	353
<i>Cinara</i> spp.	6	3		2					7
<i>Drepanosiphum platanoidis</i>	1248	75	629	185	77	66	198	102	109
<i>Dysaphis plantaginea</i>			1					1	6
<i>Elatobium abietinum</i>	10446	931	203	151	1270	181	19	448	21
<i>Eriosoma ulmi</i>		2		66	3	3	57	3	65
<i>Hyalopterus pruni</i>	1	18	5	13	6	3	29	4	28
<i>Hyperomyzus lactucae</i>		8	1	36		3	17	11	4
<i>Macrosiphum euphorbiae</i>		3	3	3	2	1	27	59	4
<i>Megoura viciae</i>							1		
<i>Metopolophium dirhodum</i>	2	1	3	1	1		10	14	7
<i>Metopolophium festucae</i>	5	4	8		14	5	101	50	58
<i>Myzus ascalonicus</i>	17	12	48	63	22	114	163	19	42
<i>Myzus ornatus</i>		1	7		1		19	1	
<i>Myzus persicae</i> grp.		1	3	1			45	10	20
<i>Nasonovia ribis nigri</i>		1	4	12	1	2	10		7
<i>Pemphigus</i> spp.		1		1			2		
<i>Pentatrichopus fragaefolii</i>					1		4		
<i>Phorodon humuli</i>			1	2	1	7	101	14	150
<i>Phyllaphis fagi</i>	80	1285	732	26	192	655	151	15	218
<i>Rhopalosiphum insertum</i>	1	32	91	35	48	23	88	1	
<i>Rhopalosiphum maidis</i>		1				1	2		
<i>Rhopalosiphum padi</i>	3	13	9	46	14	3	100	163	96
<i>Sitobion avenae</i>	2		1	1	1	1	26	31	72
<i>Sitobion fragariae</i>	1	2	2		3	4	22	4	23
First aphid caught	May 21								

ROTHAMSTED INSECT SURVEY

1(c)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1973
21 May to 17 June 1973

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
5	23	91	6	23	8	25	2		<i>Acyrtosiphon pisum</i>
12	52	95	20	72	2	46	20	9	<i>Aphis fabae</i> grp.
7	38	93	44	56	1	16	15	15	<i>Aphis</i> spp.
4	2	6	5	6		2	5		<i>Amphorophora rubi</i>
15	4	31	2	7		6	9	7	<i>Aulacorthum solani</i>
1348	2579	3030	487	1153	23	674	181	50	<i>Brachycaudus helichrysi</i>
5		12	4	6		2	2	1	<i>Brevicoryne brassicae</i>
310	988	1225	403	1710	131	234	169	18	<i>Cavariella aegopodii</i>
3	3	6	4	25	1		1		<i>Cinara</i> spp.
32	23	115	12	105		4	16	1	<i>Drepanosiphum platanoidis</i>
	1	1		1			1		<i>Dysaphis plantaginea</i>
88	81	11	32	233	1	88	62	11	<i>Elatobium abietinum</i>
179	42	89	128	85	12	47	2		<i>Eriosoma ulmi</i>
12	18	140	14	13	19	33	12	2	<i>Hyalopterus pruni</i>
28	11	29	16	33		8	13	4	<i>Hyperomyzus lactucae</i>
7	23	187	22	49	2	11	8	11	<i>Macrosiphum euphorbiae</i>
1	1	1				2		1	<i>Megoura viciae</i>
13	10	88	13	8	1	19	8	5	<i>Metopolophium dirhodum</i>
74	212	95	25	74	25	73	4	15	<i>Metopolophium festucae</i>
85	207	128	8	89	54	62	12	6	<i>Myzus ascalonicus</i>
	12	4	19	17		1	3		<i>Myzus ornatus</i>
5	26	166	28	16	1	13	4	5	<i>Myzus persicae</i> grp.
2	11	7	9	14	1		9	2	<i>Nasonovia ribis nigri</i>
		19		3					<i>Pemphigus</i> spp.
1	2	8	3	4			3		<i>Pentatrachopus fragaefolii</i>
229	198	551	63	368	10	141	11	1	<i>Phorodon humuli</i>
23	119	19	12	417	2	10	20		<i>Phyllaphis fagi</i>
29	153	73	36	57	9	66	42	16	<i>Rhopalosiphum insertum</i>
1	1	1	1				3		<i>Rhopalosiphum maidis</i>
18	52	820	17	152	10	68	57	34	<i>Rhopalosiphum padi</i>
8	112	333	58	108	2	29	62	5	<i>Sitobion avenae</i>
21	23	120	21	79	7	19	25	10	<i>Sitobion fragariae</i>
									First aphid caught

ROTHAMSTED REPORT FOR 1973, PART 2

TABLE

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

Species	Sites								
	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Shardlow	Aberystwyth	Broom's Barn
<i>Acyrtosiphon pisum</i>	6	11	4	42		34	28	1	182
<i>Aphis fabae</i> grp.	1	9	6	40	2	272	198	8	1151
<i>Aphis</i> spp.	1	31	20	136	6	43	43	2	86
<i>Amphorophora rubi</i>		9		2	1	1	1	1	3
<i>Aulacorthum solani</i>	4			2	2	1	5	1	1
<i>Brachycaudus helichrysi</i>	27	100	21	329	42	62	62	24	152
<i>Brevicoryne brassicae</i>				18			4	5	99
<i>Cavariella aegopodii</i>	16	14	24	8	22	68	279	8	69
<i>Cinara</i> spp.	7	40	6	49	10		6	23	6
<i>Drepanosiphum platanoidis</i>	77	5	60	7	2	7	91	14	24
<i>Dysaphis plantaginea</i>				10			2		4
<i>Elatobium abietinum</i>	674	92	10	6	66	1		13	
<i>Eriosoma ulmi</i>	24	84	89	500	29	74	122	20	280
<i>Hyalopterus pruni</i>	1	19	11	7077	8	61	338	26	1079
<i>Hyperomyzus lactucae</i>		10	2	25		1	17	4	49
<i>Macrosiphum euphorbiae</i>		14	3	163		7	23	5	30
<i>Megoura viciae</i>		2			9	7	7		3
<i>Metopolophium dirhodum</i>	16	524	231	2251	42	92	65	37	495
<i>Metopolophium festucae</i>	11	11	8	69	5	7	4	1	46
<i>Myzus ascalonicus</i>	10	3	4	4	9	28	9		2
<i>Myzus ornatus</i>		1	1			2	3	2	
<i>Myzus persicae</i> grp.		14	8	81			91	4	127
<i>Nasonovia ribis nigri</i>		4		31		4	10	2	9
<i>Pemphigus</i> spp.	1		11	23		13	46	6	9
<i>Pentatrichopus fragaefolii</i>				1			5		
<i>Phorodon humuli</i>	1	6	6	62	4	10	124	19	213
<i>Phyllaphis fagi</i>	111	688	221	82	138	209	42	9	113
<i>Rhopalosiphum insertum</i>		15	8	43	32	12	64	1	34
<i>Rhopalosiphum maidis</i>		2		12	1	1	8	33	8
<i>Rhopalosiphum padi</i>	7	148	86	23065	37	154	49	52	1101
<i>Sitobion avenae</i>	4	18	17	659	5	19	214	49	1447
<i>Sitobion fragariae</i>	1	3	1	4	3	4	4	2	43

ROTHAMSTED INSECT SURVEY

1(d)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1973
18 June to 15 July 1973

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
10	47	48	9	22	29	70	3		<i>Acyrtosiphon pisum</i>
129	491	203	101	322	613	287	33	12	<i>Aphis fabae</i> grp.
15	77	89	83	93	23	144	9	19	<i>Aphis</i> spp.
6	1			3	1	5	2	1	<i>Amphorophora rubi</i>
2		2			7		2	3	<i>Aulacorthum solani</i>
106	42	52	25	23	202	44	7	21	<i>Brachycaudus helichrysi</i>
5	5	22	3	15	11	18	2	3	<i>Brevicoryne brassicae</i>
37	95	54	45	45	226	23	9	12	<i>Cavariella aegopodii</i>
5	6		6	2	3	1			<i>Cinara</i> spp.
8	4	56	2	15	4	6	6	1	<i>Drepanosiphum platanoidis</i>
	3	2		2		1			<i>Dysaphis plantaginea</i>
1	1			1			2		<i>Elatobium abietinum</i>
330	70	19	59	28	41	31	2	2	<i>Eriosoma ulmi</i>
226	460	1077	278	408	498	591	72	31	<i>Hyalopterus pruni</i>
20	7	13	6	11	22	15	3	3	<i>Hyperomyzus lactucae</i>
12	40	46	11	22	120	53	13	9	<i>Macrosiphum euphorbiae</i>
9	3	3			1	12		4	<i>Megoura viciae</i>
41	110	145	46	90	279	110	49	15	<i>Metopolophium dirhodum</i>
3	32	17	2	11	11	29	1	1	<i>Metopolophium festucae</i>
1	6	5	1	3	2	2			<i>Myzus ascalonicus</i>
	1	1	1			1		1	<i>Myzus ornatus</i>
10	15	16	7	11	159	21			<i>Myzus persicae</i> grp.
2	1	18	6	2	12	2	6	1	<i>Nasonovia ribis nigri</i>
5	18	60	17	34	47	17	4	1	<i>Pemphigus</i> spp.
							1		<i>Pentatrichopus fragaefolii</i>
226	94	172	27	69	51	137	31	2	<i>Phorodon humuli</i>
10	92	15	6	199	16	11	9	1	<i>Phyllaphis fagi</i>
22	34	12	11	18	156	39	32	13	<i>Rhopalosiphum insertum</i>
5	11	12	12	8	12	11	4	2	<i>Rhopalosiphum maidis</i>
98	132	182	51	76	386	194	106	44	<i>Rhopalosiphum padi</i>
369	434	388	278	508	315	526	153	28	<i>Sitobion avenae</i>
21	33	46	15	63	54	35	13	4	<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1973, PART 2

TABLE

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

Species	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Shardlow	Aberystwyth	Broom's Barn
<i>Acyrtosiphon pisum</i>	4	33		16	1	10	10	1	8
<i>Aphis fabae</i> grp.	15	634	113	142	7	43	101	12	159
<i>Aphis</i> spp.	3	15	8	44	1	26	23	1	4
<i>Amphorophora rubi</i>		2							
<i>Aulacorthum solani</i>		1		2			1		
<i>Brachycaudus helichrysi</i>	1	12	5	88			4	2	2
<i>Brevicoryne brassicae</i>		1	2	24		1	7	6	11
<i>Cavariella aegopodii</i>	13	7		2	1	4	5		
<i>Cinara</i> spp.	3	2	2	4			2	2	
<i>Drepanosiphum platanoidis</i>	34	5	1	4	8	2	29	10	2
<i>Dysaphis plantaginea</i>								1	
<i>Elatobium abietinum</i>	171	2	4		1				
<i>Eriosoma ulmi</i>	1		2	4					
<i>Hyalopterus pruni</i>	2	10	13	590	4	41	184	3	192
<i>Hyperomyzus lactucae</i>		2							
<i>Macrosiphum euphorbiae</i>	20	62	5	32	3	2	11	2	10
<i>Megoura viciae</i>	1				1	1	1	1	
<i>Metopolophium dirhodum</i>	79	1116	445	384	22	83	21	3	2
<i>Metopolophium festucae</i>	7	7		2		4	1		
<i>Myzus ascalonicus</i>									
<i>Myzus ornatus</i>				2					2
<i>Myzus persicae</i> grp.	18	183	154	68	1	5	6		14
<i>Nasonovia ribis nigri</i>	1						4		
<i>Pemphigus</i> spp.	10	15	15	7		4	8	14	3
<i>Pentatrachopus fragaefolii</i>							1		
<i>Phorodon humuli</i>		2		10		2	1		
<i>Phyllaphis fagi</i>	1	11	17		6	6			
<i>Rhopalosiphum insertum</i>	14	177	117	46	103	53	88	7	10
<i>Rhopalosiphum maidis</i>			1	6		3	11	8	
<i>Rhopalosiphum padi</i>	161	1820	742	2572	169	533	114	69	141
<i>Sitobion avenae</i>	40	169	60	418	14	115	178	155	81
<i>Sitobion fragariae</i>	1	2		4		5	14	3	5

ROTHAMSTED INSECT SURVEY

1(e)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1973
16 July to 12 August 1973

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
4	2		2		4	5	2		Species
92	66	75	62	52	278	45	25	30	<i>Acyrtosiphon pisum</i>
13	7	62	22	21	9	20	3	6	<i>Aphis fabae</i> grp.
									<i>Aphis</i> spp.
					6				<i>Amphorophora rubi</i>
2		2	3		9		2	1	<i>Aulacorthum solani</i>
7	16	11	4	11	11	6	6	2	<i>Brachycaudus helichrysi</i>
		2			9		1		<i>Brevicoryne brassicae</i>
		1			2				<i>Cavariella aegopodii</i>
1	2	6	1	12		1			<i>Cinara</i> spp.
	2								<i>Drepanosiphum platanoidis</i>
									<i>Dysaphis plantaginea</i>
									<i>Elatobium abietinum</i>
106	323	630	106	134	823	190	22	41	<i>Eriosoma ulmi</i>
	2	5			5	1			<i>Hyalopterus pruni</i>
1	1	3	1	1	180	3	3	5	<i>Hyperomyzus lactucae</i>
1	2		8	7	1	2			<i>Macrosiphum euphorbiae</i>
10	4	3	5	3	144	7	8	12	<i>Megoura viciae</i>
2			1						<i>Metopolophium dirhodum</i>
									<i>Metopolophium festucae</i>
									<i>Myzus ascalonicus</i>
					1	3			<i>Myzus ornatus</i>
	1	8		8	1711	9			<i>Myzus persicae</i> grp.
				2	1			2	<i>Nasonovia ribis nigri</i>
3	4	4	4		19			1	<i>Pemphigus</i> spp.
									<i>Pentatrichopus fragaefolii</i>
5		6	3	2	7	3			<i>Phorodon humuli</i>
				3					<i>Phyllaphis fagi</i>
40	91	76	14	61	213	74	106	40	<i>Rhopalosiphum insertum</i>
1	2	5		2	1	4			<i>Rhopalosiphum maidis</i>
58	58	117	27	39	1096	131	102	46	<i>Rhopalosiphum padi</i>
237	59	64	95	83	173	82	102	61	<i>Sitobion avenae</i>
13	2	4	3	3	18	14	5	5	<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1973, PART 2

TABLE

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

Species	Sites								
	Elgin	Dundee	Edinburgh	Copenhagen	Newcastle	High Mowthorpe	Shardlow	Aberystwyth	Broom's Barn
<i>Acyrtosiphon pisum</i>	6	3	2				15	10	2
<i>Aphis fabae</i> grp.	126	134	260	1	9	39	259	304	17
<i>Aphis</i> spp.	12	10	5	1	1	42	175	51	1
<i>Amphorophora rubi</i>									
<i>Aulacorthum solani</i>	6						1		
<i>Brachycaudus helichrysi</i>	24	33	11	1		36	27	38	6
<i>Brevicoryne brassicae</i>	2		1	1			7	10	12
<i>Cavariella aegopodii</i>	304			2			1		1
<i>Cinara</i> spp.	1		1					2	2
<i>Drepanosiphum platanoidis</i>	13	10	6			8	93	4	2
<i>Dysaphis plantaginea</i>							4	4	
<i>Elatobium abietinum</i>									
<i>Eriosoma ulmi</i>								1	3
<i>Hyalopterus pruni</i>	157	78	4	9	1	20	70	19	43
<i>Hyperomyzus lactucae</i>	1						10	4	
<i>Macrosiphum euphorbiae</i>	45	5	3		2	4	50	3	4
<i>Megoura viciae</i>			1				1		2
<i>Metopolophium dirhodum</i>	10	2					11	4	
<i>Metopolophium festucae</i>	18		1		1		5	3	
<i>Myzus ascalonicus</i>									
<i>Myzus ornatus</i>		1							
<i>Myzus persicae</i> grp.	68	35	7		2	4	74	19	23
<i>Nasonovia ribis nigri</i>	3	1	1				3		
<i>Pemphigus</i> spp.	78	23	44	45	1	11	72	1396	23
<i>Pentatrichopus fragaefolii</i>		1							
<i>Phorodon humuli</i>									
<i>Phyllaphis fagi</i>			3						
<i>Rhopalosiphum insertum</i>	73	70	98	5	30	66	275	45	81
<i>Rhopalosiphum maidis</i>	1		1	1			2	6	1
<i>Rhopalosiphum padi</i>	2327	1286	1150	60	33	1271	2988	420	227
<i>Sitobion avenae</i>	107	47	44	23	8	34	172	96	21
<i>Sitobion fragariae</i>	1					4	24	8	1

ROTHAMSTED INSECT SURVEY

1(f)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1973
13 August to 9 September 1973

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
18	8	7	17	11		9	15	6	<i>Acyrtosiphon pisum</i>
256	9	39	70	47	33	12	17	22	<i>Aphis fabae</i> grp.
144	17	56	57	79	13	62	19	9	<i>Aphis</i> spp.
			2		3				<i>Amphorophora rubi</i>
37	21	8	5	24	5	126	5	6	<i>Aulacorthum solani</i>
102	22	32	3	37	25	258	6	2	<i>Brachycaudus helichrysi</i>
		1			15	1			<i>Brevicoryne brassicae</i>
									<i>Cavariella aegopodii</i>
1	1	1	5			1		1	<i>Cinara</i> spp.
4	4	1	3	10		1	2		<i>Drepanosiphum platanoidis</i>
									<i>Dysaphis plantaginea</i>
									<i>Elatobium abietinum</i>
									<i>Eriosoma ulmi</i>
41	27	123	43	37	1986	164	51	27	<i>Hyalopterus pruni</i>
16	3	8	3	4	6	9	2	1	<i>Hyperomyzus lactucae</i>
15	6	6	3	2	187	35		2	<i>Macrosiphum euphorbiae</i>
	2	1	2	4	1			1	<i>Megoura viciae</i>
1	1	1	1	1	24	2			<i>Metopolophium dirhodum</i>
17	1		4	2	4	1	2	1	<i>Metopolophium festucae</i>
									<i>Myzus ascalonicus</i>
									<i>Myzus ornatus</i>
68	30	49	33	25	1729	147	19	14	<i>Myzus persicae</i> grp.
2	1		1	2		1			<i>Nasonovia ribis nigri</i>
19	22	178	46	43	348	30	29	23	<i>Pemphigus</i> spp.
								1	<i>Pentatrichopus fragaefolii</i>
460		15		5	1	102		1	<i>Phorodon humuli</i>
									<i>Phyllaphis fagi</i>
143	131	92	63	177	224	138	229	97	<i>Rhopalosiphum insertum</i>
3	3	8	2			4	7	5	<i>Rhopalosiphum maidis</i>
1567	236	307	912	521	660	340	423	153	<i>Rhopalosiphum padi</i>
82	42	31	95	38	19	41	48	195	<i>Sitobion avenae</i>
6	1	3	15	6	20	13		3	<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1973, PART 2

TABLE

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

Species	Site							
	Elgin	Dundee	Edinburgh	Copenhagen	High Mowthorpe	Shardlow	Aberystwyth	Broom's Barn
<i>Acyrtosiphon pisum</i>						6	5	5
<i>Aphis fabae</i> grp.	53	20	8		19	219	444	59
<i>Aphis</i> spp.	7	21	21	1	13	237	62	6
<i>Amphorophora rubi</i>								
<i>Aulacorthum solani</i>						3	1	
<i>Brachycaudus helichrysi</i>	37	38	101	7	69	54	67	13
<i>Brevicoryne brassicae</i>				17	1	30	10	49
<i>Cavariella aegopodii</i>	13		2	8		4	2	4
<i>Cinara</i> spp.	1					4	1	1
<i>Drepanosiphum platanoidis</i>	4	15	17	1	16	247	4	9
<i>Dysaphis plantaginea</i>	1			4		31		28
<i>Elatobium abietinum</i>								
<i>Eriosoma ulmi</i>		16		2	2	2		2
<i>Hyalopterus pruni</i>	4	78	5	3	15	24	3	17
<i>Hyperomyzus lactucae</i>	1			2	9	21	11	2
<i>Macrosiphum euphorbiae</i>	1	1	2		7	58	5	1
<i>Megoura viciae</i>								
<i>Metopolophium dirhodum</i>	4	6	2		4	21	14	
<i>Metopolophium festucae</i>	2					2	7	
<i>Myzus ascalonicus</i>							2	
<i>Myzus ornatus</i>	2					2		
<i>Myzus persicae</i> grp.	8	51	33	12	58	130	89	37
<i>Nasonovia ribis nigri</i>	10	1	1	2		12	15	1
<i>Pemphigus</i> spp.	675	155	268	193	80	480	2574	47
<i>Pentatrichopus fragaefolii</i>								
<i>Phorodon humuli</i>						29	25	1
<i>Phyllaphis fagi</i>					3			
<i>Rhopalosiphum insertum</i>	1666	1809	952	110	930	599	1267	41
<i>Rhopalosiphum maidis</i>	2			1	1			
<i>Rhopalosiphum padi</i>	7393	8528	11 735	508	1917	8829	10 106	966
<i>Sitobion avenae</i>		5	1	1	2	19	21	3
<i>Sitobion fragariae</i>	7					71	12	

ROTHAMSTED INSECT SURVEY

1(g)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1973
10 September to 7 October 1973

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
									Species
26	26	3	28	24	28	7	17	2	<i>Acyrtosiphon pisum</i>
51	19	57	79	160	33	47	22	6	<i>Aphis fabae</i> grp.
32	22	32	92	134	3	39	52	9	<i>Aphis</i> spp.
1									<i>Amphorophora rubi</i>
30	36	9	29	44	14	19	37	6	<i>Aulacorthum solani</i>
194	99	41	21	174	6	165	9	1	<i>Brachycaudus helichrysi</i>
	1	2	4	2	3	2	3		<i>Brevicoryne brassicae</i>
					4				<i>Cavariella aegopodii</i>
2	2	10	17	1	6	4		5	<i>Cinara</i> spp.
10	18	7	56	108	2	18	9	1	<i>Drepanosiphum platanoidis</i>
1		2			5				<i>Dysaphis plantaginea</i>
3	4	8	16	15	176	16	12		<i>Elatobium abietinum</i>
7	7	4	19	9	5	6	1	1	<i>Eriosoma ulmi</i>
16	3	2	2	9	1	15	1	1	<i>Hyalopterus pruni</i>
				1					<i>Hyperomyzus lactucae</i>
5				1	12	6	3	1	<i>Macrosiphum euphorbiae</i>
18			4	1	1		1		<i>Megoura viciae</i>
									<i>Metopolophium dirhodum</i>
									<i>Metopolophium festucae</i>
			2				1		<i>Myzus ascalonicus</i>
172	82	73	151	100	109	153	62	5	<i>Myzus ornatus</i>
3	2	2	4	7		1	1		<i>Myzus persicae</i> grp.
132	49	124	257	170	88	46	235	5	<i>Nasonovia ribis nigri</i>
									<i>Pemphigus</i> spp.
6233	15	77	36	37	17	3125	1	1	<i>Pentatrachopus fragaefolii</i>
									<i>Phorodon humuli</i>
360	35	4	117	115	176	8	535	92	<i>Phyllaphis fagi</i>
			4	1	2	1	2	1	<i>Rhopalosiphum insertum</i>
2769	775	633	9845	1274	2321	1825	1819	141	<i>Rhopalosiphum maidis</i>
18	8	6	32	32	3	11	10		<i>Rhopalosiphum padi</i>
12	2	2	19	10	110	3	4		<i>Sitobion avenae</i>
									<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1973, PART 2

TABLE

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

Species	Sites							
	Elgin	Dundee	Edinburgh	Copenhagen	High Mowthorpe	Shardlow	Aberystwyth	Broom's Barn
<i>Acyrtosiphon pisum</i>								
<i>Aphis fabae</i> grp.						14	3	95
<i>Aphis</i> spp.	1	1			1	20	3	
<i>Amphorophora rubi</i>								
<i>Aulacorthum solani</i>								1
<i>Brachycaudus helichrysi</i>		2			1	4		8
<i>Brevicoryne brassicae</i>						3		4
<i>Cavariella aegopodii</i>	3					1	2	38
<i>Cinara</i> spp.						1		1
<i>Drepanosiphum platanoidis</i>	15	19	19	1	20	152	6	11
<i>Dysaphis plantaginea</i>						8		11
<i>Elatobium abietinum</i>								
<i>Eriosoma ulmi</i>	2	60	1			6	2	2
<i>Hyalopterus pruni</i>		1						9
<i>Hyperomyzus lactucae</i>			1			1	2	1
<i>Macrosiphum euphorbiae</i>						2		
<i>Megoura viciae</i>								
<i>Metopolophium dirhodum</i>	1	8	1	1		56	15	1
<i>Metopolophium festucae</i>					1	4	8	1
<i>Myzus ascalonicus</i>		2	1		1			
<i>Myzus ornatus</i>							1	
<i>Myzus persicae</i> grp.	9	6	9		1	16	4	24
<i>Nasonovia ribis nigri</i>		1			1	1	1	3
<i>Pemphigus</i> spp.	101	56	45	26		110	405	28
<i>Pentatrichopus fragaefolii</i>								
<i>Phorodon humuli</i>			1			3		
<i>Phyllaphis fagi</i>	1	2				3	2	1
<i>Rhopalosiphum insertum</i>	254	1021	158	13	116	448	1026	78
<i>Rhopalosiphum maidis</i>								2
<i>Rhopalosiphum padi</i>	511	1263	426	162	123	1312	613	546
<i>Sitobion avenae</i>	1			1		2	2	2
<i>Sitobion fragariae</i>	1	3	2		3	126	78	5

ROTHAMSTED INSECT SURVEY

1(h)

*of aphids of economic, or other, interest reported in the weekly Bulletin 1973
8 October to 4 November 1973*

Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites	Species
		1		1	1			1		<i>Acyrtosiphon pisum</i>
	6	38	5	12	6	14	4	5		<i>Aphis fabae</i> grp.
5	20	31	11	36		14	11	1		<i>Aphis</i> spp.
										<i>Amphorophora rubi</i>
		2	3		1		2			<i>Aulacorthum solani</i>
2	11	8	5	11	2	10	12	2		<i>Brachycaudus helichrysi</i>
4	8	3	3	14		17	4	5		<i>Brevicoryne brassicae</i>
	2		4	3	2	6	4	1		<i>Cavariella aegopodii</i>
			1			1				<i>Cinara</i> spp.
8	6	2	34	6	1	3	2	16		<i>Drepanosiphum platanoidis</i>
1	17	9	5	41	2	3	2			<i>Dysaphis plantaginea</i>
										<i>Elatobium abietinum</i>
24		1	5	1	1	2				<i>Eriosoma ulmi</i>
		2	2	7	4	2	5			<i>Hyalopterus pruni</i>
1	4	1	2	2	4		3			<i>Hyperomyzus lactucae</i>
1		2			1	6				<i>Macrosiphum euphorbiae</i>
										<i>Megoura viciae</i>
10	4	7	13	5	4	4	6	4		<i>Metopolophium dirhodum</i>
	2	1	5	2		2				<i>Metopolophium festucae</i>
				2		1				<i>Myzus ascalonicus</i>
	1	4	5	1			2			<i>Myzus ornatus</i>
12	46	46	23	20	15	56	16	2		<i>Myzus persicae</i> grp.
1	2	1	1	3			1			<i>Nasonovia ribis nigri</i>
68	30	72	301	84	14	39	54	13		<i>Pemphigus</i> spp.
										<i>Pentatrachopus fragaefolii</i>
260	4	6	4	21		811	1			<i>Phorodon humuli</i>
	3	1	1			1		1		<i>Phyllaphis fagi</i>
118	77	30	208	183	42	55	1455	536		<i>Rhopalosiphum insertum</i>
			1	1		1	3	4		<i>Rhopalosiphum maidis</i>
524	482	559	1732	857	446	1342	586	149		<i>Rhopalosiphum padi</i>
	1	1	1	1		2	4	3		<i>Sitobion avenae</i>
45	54	30	130	137	15	18	43	15		<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1973, PART 2

TABLE

The Rothamsted Insect Survey—Light Traps: annual records

Species	Year	210 Bettyhill	57 Ardross	58 Newton, Elgin	50 Grula, Skye	49 Fort Augustus	29 Rannoch	47 Dundee	197 Dunblane	140 Vane Farm	97 Rowardennan	98 Auchincruive	127 Kielder	39 Chester le Street	133 Leighton Moss	72 Castletown, I.O.M.
<i>Gortyna micacea</i> Rosy Rustic	1971	—	66	75	90	16	49	9	—	147	3	17	37	3	93	43
	1972	238	151	151	82	30	28	7	17	138	3	11	31	7	29	14
<i>Bupalus piniaria</i> Bordered White	1971	—	0	0	0	2	0	0	—	0	0	0	3	0	0	0
	1972	0	0	1	0	3	0	0	1	0	0	0	6	0	0	0
<i>Panolis flammea</i> Pine Beauty	1971	—	0	1	0	2	2	0	—	0	0	0	0	0	0	0
	1972	0	2	6	0	6	4	0	0	0	0	0	0	0	0	0
<i>Cerapteryx graminis</i> Antler Moth	1971	—	1	29	86	8	103	4	—	75	53	24	69	1	0	1
	1972	61	4	25	19	35	36	0	6	34	1	4	9	0	4	0
<i>Erannis aurantiaria</i> Scarce Umber	1971	—	12	1	0	6	17	1	—	1	19	0	12	0	5	0
	1972	0	42	3	0	22	61	0	0	6	7	0	56	0	2	0
<i>Operophtera fagata</i> Northern Winter Moth	1971	—	1	1	1	0	55	0	—	29	43	0	28	0	34	0
	1972	0	72	2	1	1	20	0	0	17	48	0	21	0	8	0
<i>Apamea sordens</i> Rustic Shoulder-knot	1971	—	0	3	0	0	0	9	—	1	0	0	0	0	0	1
	1972	0	1	7	0	1	0	3	5	2	0	0	0	0	0	1
<i>Gortyna flavago</i> Frosted Orange	1971	—	0	10	0	0	0	1	—	3	0	0	1	0	0	0
	1972	0	0	16	0	0	0	0	0	0	0	0	0	0	1	0
<i>Mamestra brassicae</i> Cabbage Moth	1971	—	0	0	0	0	0	15	—	0	0	0	1	3	0	0
	1972	0	0	0	1	0	0	24	8	1	0	1	1	2	0	0
<i>Noctua pronuba</i> Large Yellow Underwing	1971	—	3	22	7	1	1	34	—	40	1	5	9	3	7	27
	1972	10	11	38	14	16	3	8	15	74	2	7	1	5	5	29
<i>Diataraxia oleracea</i> Bright-line Brown-eye	1971	—	2	3	0	1	0	5	—	12	0	6	0	3	0	5
	1972	35	1	8	20	0	0	13	1	15	0	4	0	2	4	7
<i>Euxoa nigricans</i> Garden Dart	1971	—	1	0	0	0	0	3	—	0	0	0	0	1	0	0
	1972	0	5	0	0	0	0	0	0	2	0	0	0	4	0	0
<i>Apamea secalis</i> Common Rustic	1971	—	11	81	56	1	0	33	—	33	0	23	24	2	5	25
	1972	39	16	134	85	0	1	26	46	18	0	10	3	5	1	22
<i>Melanchra persicariae</i> Dot Moth	1971	—	0	0	0	0	0	0	—	0	0	0	1	0	0	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Operophtera brumata</i> Winter Moth	1971	—	66	5	0	12	13	0	—	14	63	0	22	0	27	2
	1972	0	11	6	0	8	26	4	13	16	26	0	64	0	5	1

ROTHAMSTED INSECT SURVEY

2(a)

of moths of economic, or other, interest for 1971 and 1972

	45	68	101	131	157	85	35	95	189	188	77	79	160	168	201	Year	Species
	Malham Tarn	Harrogate	Keighley	Spurn Head	Barnsley	Prestwich	Bangor	Gibraltar Point	Leek	Stoke	Maentwrog	Shardlow	Thorpe in the Glebe	Sutton Bonington	Sutton Bonington		
	3	10	25	15	120	9	0	72	34	—	3	36	1	17	—	1971	<i>Gortyna micacea</i>
	0	5	7	39	37	1	0	70	12	9	4	29	29	11	5	1972	Rosy Rustic
	0	0	0	0	0	0	0	0	0	—	0	0	0	0	—	1971	<i>Bupalus piniaria</i>
	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1972	Bordered White
	0	0	0	0	0	0	0	0	0	—	0	1	0	0	—	1971	<i>Panolis flammea</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	Pine Beauty
	15	0	0	71	5	3	0	23	158	—	50	5	0	0	—	1971	<i>Cerapteryx graminis</i>
	23	2	1	87	2	4	0	6	78	21	4	1	0	1	0	1972	Antler Moth
	1	0	0	0	0	0	0	0	8	—	12	0	0	0	—	1971	<i>Erannis aurantiaria</i>
	0	0	0	0	0	0	0	0	2	0	1	2	0	0	4	1972	Scarce Umber
	7	0	0	0	0	0	0	0	1	—	31	0	0	0	—	1971	<i>Operophtera fagata</i>
	0	0	0	0	0	0	0	0	6	0	22	0	0	0	0	1972	Northern Winter Moth
	3	0	0	11	4	2	0	10	0	—	0	0	0	0	—	1971	<i>Apamea sordens</i>
	1	0	0	1	2	1	0	11	0	1	0	2	0	3	1	1972	Rustic Shoulder-knot
	0	1	0	1	1	0	1	5	9	—	0	6	0	1	—	1971	<i>Gortyna flavago</i>
	0	0	0	4	1	0	0	0	2	0	0	1	2	1	1	1972	Frosted Orange
	1	0	0	0	23	9	3	0	1	—	1	3	0	0	—	1971	<i>Mamestra brassicae</i>
	1	0	4	1	9	15	4	0	1	5	0	1	0	1	0	1972	Cabbage Moth
	5	17	10	23	15	4	11	9	71	—	9	10	10	13	—	1971	<i>Noctua pronuba</i>
	21	10	1	18	4	3	15	12	48	8	5	31	22	47	15	1972	Large Yellow Underwing
	0	0	1	28	36	2	2	24	6	—	0	10	5	27	—	1971	<i>Diataraxia oleracea</i>
	0	0	1	27	23	1	5	8	15	3	8	14	5	32	7	1972	Bright-line Brown-eye
	0	0	0	0	0	1	0	0	0	—	0	0	0	1	—	1971	<i>Euxoa nigricans</i>
	0	0	0	1	0	1	0	0	0	0	0	0	2	0	0	1972	Garden Dart
	3	10	21	7	51	4	2	28	21	—	1	22	0	29	—	1971	<i>Apamea secalis</i>
	0	7	1	8	36	5	6	14	21	8	3	33	8	25	40	1972	Common Rustic
	0	0	0	0	11	0	0	0	0	—	0	4	1	0	—	1971	<i>Melanchra persicariae</i>
	0	0	0	0	3	0	0	0	0	0	19	4	1	3	5	1972	Dot Moth
	2	10	0	13	8	0	0	8	2	—	41	18	5	9	—	1971	<i>Operophtera brumata</i>
	1	1	0	1	1	0	0	0	15	7	30	12	15	8	7	1972	Winter Moth

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Species	Year	216 Terrington	207 Pallaskerry, Eire	53 Preston Montford	126 Aberystwyth	94 Monks Wood	112 Shirley	129 Wellingborough	88 Broom's Barn	125 Sandy	158 Ipswich	139 The Gwenffrwd	212 Hereford	195 Pershore	147 Simpson	145 Shenley Brook End
<i>Gortyna micacea</i>	1971	—	—	—	41	97	3	5	2	0	1	31	—	3	36	15
Rosy Rustic	1972	23	25	10	19	135	0	1	6	0	0	6	62	7	4	24
<i>Bupalus piniaria</i>	1971	—	—	—	0	0	0	0	0	10	0	0	—	0	0	0
Bordered White	1972	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0
<i>Panolis flammea</i>	1971	—	—	—	0	0	0	0	0	7	0	0	—	0	0	0
Pine Beauty	1972	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0
<i>Cerapteryx graminis</i>	1971	—	—	—	14	0	0	0	2	18	0	175	—	0	8	0
Antler Moth	1972	0	0	0	7	0	0	0	0	12	0	40	0	1	1	0
<i>Erannis aurantiaria</i>	1971	—	—	—	2	0	0	0	0	2	1	4	—	0	0	0
Scarce Umber	1972	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
<i>Operophtera fagata</i>	1971	—	—	—	0	0	0	0	0	4	0	0	—	0	0	0
Northern Winter Moth	1972	0	0	0	0	2	0	0	0	0	0	0	—	0	0	0
<i>Apamea sordens</i>	1971	—	—	—	0	4	0	4	4	1	1	0	—	0	3	5
Rustic Shoulder-knot	1972	3	0	0	0	0	0	3	0	0	0	0	0	0	4	0
<i>Gortyna flavago</i>	1971	—	—	—	0	0	0	0	0	0	0	0	—	0	3	0
Frosted Orange	1972	2	0	0	0	0	0	0	1	0	0	0	2	1	0	0
<i>Mamestra brassicae</i>	1971	—	—	—	0	1	1	2	0	4	2	2	—	0	0	0
Cabbage Moth	1972	1	0	0	0	0	0	0	2	1	0	0	0	0	1	0
<i>Noctua pronuba</i>	1971	—	—	—	5	8	18	8	3	2	4	3	—	32	6	10
Large Yellow Underwing	1972	0	12	7	10	5	3	2	1	1	2	1	7	116	0	11
<i>Diataraxia oleracea</i>	1971	—	—	—	1	4	7	6	2	27	2	2	—	1	9	9
Bright-line Brown-eye	1972	9	5	0	2	3	6	6	3	16	2	17	11	0	4	21
<i>Euxoa nigricans</i>	1971	—	—	—	0	0	0	4	0	4	0	0	—	0	3	0
Garden Dart	1972	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0
<i>Apamea secalis</i>	1971	—	—	—	29	13	7	14	3	8	6	7	—	170	30	20
Common Rustic	1972	5	3	49	44	12	2	4	14	10	5	0	29	25	18	67
<i>Melanchra persicariae</i>	1971	—	—	—	2	2	1	1	8	0	2	4	—	9	3	8
Dot Moth	1972	1	0	1	2	7	0	0	8	1	0	41	0	0	3	16
<i>Operophtera brumata</i>	1971	—	—	—	15	0	0	7	12	29	0	41	—	61	3	8
Winter Moth	1972	2	10	1	5	3	0	8	0	8	0	19	4	26	2	4

ROTHAMSTED INSECT SURVEY

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of moths of economic, or other, interest for 1971 and 1972

		170	144	150	182	217	208	1	34	22	214	87	200	213	180	Year	Species
		Howe Park	Bletchley Park	Bletchley	Woodstock I	Woodstock II	Whipsnade	Rothamsted (Barnfield)	Rothamsted (Allotments)	Rothamsted (Geescroft)	Rye Meads	Writtle	Thame	Gower	Hurley		
7	4	—	—	—	—	—	—	6	15	13	20	3	2	—	68	1971	<i>Gortyna micacea</i>
17	5	7	0	0	0	0	0	12	12	3	3	3	2	34	16	1972	Rosy Rustic
0	0	—	—	—	—	—	—	0	0	0	0	0	0	—	0	1971	<i>Bupalus piniaria</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	Bordered White
0	0	—	—	—	—	—	—	0	0	0	0	0	0	—	1	1971	<i>Panolis flammea</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1972	Pine Beauty
2	0	—	—	—	—	—	—	0	0	0	0	0	0	—	0	1971	<i>Cerapteryx graminis</i>
0	0	0	0	0	5	2	0	2	0	0	2	0	0	3	0	1972	Antler Moth
28	0	—	—	—	—	—	—	0	0	40	0	0	0	—	7	1971	<i>Erannis aurantiaria</i>
16	0	0	0	0	2	0	0	0	0	9	0	0	0	0	1	1972	Scarce Umber
0	0	—	—	—	—	—	—	0	0	0	0	0	0	—	16	1971	<i>Operophtera fagata</i>
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1972	Northern Winter Moth
2	1	—	—	—	—	—	—	4	5	0	3	1	0	—	1	1971	<i>Apamea sordens</i>
0	0	0	0	0	1	0	0	0	0	0	2	5	0	0	2	1972	Rustic Shoulder-knot
0	0	—	—	—	—	—	—	3	0	1	0	0	1	—	1	1971	<i>Gortyna flavago</i>
0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	1	1972	Frosted Orange
0	1	—	—	—	—	—	—	1	0	0	0	1	2	—	0	1971	<i>Mamestra brassicae</i>
0	6	0	0	0	0	0	0	0	0	1	1	13	14	4	0	1972	Cabbage Moth
83	3	—	—	—	—	—	—	11	2	78	2	17	5	—	5	1971	<i>Noctua pronuba</i>
158	9	4	1	0	6	7	0	7	0	98	2	19	7	11	6	1972	Large Yellow Underwing
7	5	—	—	—	—	—	—	5	0	4	19	43	2	—	3	1971	<i>Diataraxia oleracea</i>
3	6	3	4	0	3	10	0	2	2	1	2	2	3	6	3	1972	Bright-line Brown-eye
16	1	—	—	—	—	—	—	4	1	4	1	0	0	—	0	1971	<i>Euxoa nigricans</i>
6	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1972	Garden Dart
183	8	—	—	—	—	—	—	22	8	23	35	54	10	—	14	1971	<i>Apamea secalis</i>
113	18	8	0	0	43	31	11	27	11	27	5	4	32	7	28	1972	Common Rustic
4	0	—	—	—	—	—	—	0	0	0	1	0	7	—	0	1971	<i>Melanchra persicariae</i>
2	1	0	0	3	3	1	0	3	0	3	0	0	6	0	2	1972	Dot Moth
190	8	—	—	—	—	—	—	4	0	409	1	2	0	—	15	1971	<i>Operophtera brumata</i>
137	0	0	0	0	8	0	0	0	0	154	0	6	0	20	1	1972	Winter Moth

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Species	Year	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	185 West Buckland	184 Dulverton	186 Great Torrington
<i>Gortyna micacea</i> Rosy Rustic	1971	1	0	1	0	2	15	—	4	8	19	16	89	58	60	60
	1972	1	6	1	1	13	30	1	10	9	16	36	157	2	19	51
<i>Bupalus piniaria</i> Bordered White	1971	0	0	0	0	0	0	—	0	0	0	0	0	0	0	0
	1972	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
<i>Panolis flammea</i> Pine Beauty	1971	0	0	0	2	0	0	—	0	1	2	0	11	0	0	1
	1972	0	0	0	3	1	0	1	0	0	2	0	0	0	0	0
<i>Cerapteryx graminis</i> Antler Moth	1971	0	0	0	0	3	0	—	9	0	9	0	0	10	17	0
	1972	0	0	0	0	0	0	0	6	0	9	2	0	0	9	0
<i>Erannis aurantiaria</i> Scarce Umber	1971	0	11	0	17	10	0	—	0	1	10	2	1	0	4	0
	1972	0	1	0	8	2	0	4	2	0	4	0	0	0	1	0
<i>Operophtera fagata</i> Northern Winter Moth	1971	0	0	0	2	20	0	—	2	4	5	1	0	0	0	0
	1972	0	0	0	0	2	0	2	1	0	1	0	0	0	0	0
<i>Apamea sordens</i> Rustic Shoulder-knot	1971	0	1	0	2	0	1	—	1	0	1	1	0	0	0	0
	1972	1	0	0	0	3	1	0	3	0	0	0	0	0	0	2
<i>Gortyna flavago</i> Frosted Orange	1971	0	0	1	0	1	0	—	1	0	1	4	3	46	21	24
	1972	1	0	1	0	0	0	1	0	0	0	0	2	8	15	6
<i>Mamestra brassicae</i> Cabbage Moth	1971	2	0	11	1	0	5	—	1	0	0	0	0	1	2	2
	1972	0	0	49	2	0	1	4	0	5	0	1	0	1	2	2
<i>Noctua pronuba</i> Large Yellow Underwing	1971	3	12	7	9	7	0	—	17	12	29	6	8	14	15	4
	1972	4	47	12	10	13	5	37	8	10	22	6	13	10	17	9
<i>Diataraxia oleracea</i> Bright-line Brown-eye	1971	2	0	13	0	3	0	—	4	4	0	1	3	17	1	17
	1972	2	3	32	1	4	5	0	5	5	1	2	2	19	1	17
<i>Euxoa nigricans</i> Garden Dart	1971	0	1	0	0	0	20	—	0	2	0	1	0	1	0	0
	1972	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Apamea secalis</i> Common Rustic	1971	4	5	32	6	54	14	—	8	4	20	18	11	8	19	59
	1972	9	8	9	0	11	20	29	22	12	8	13	9	6	4	37
<i>Melanchra persicariae</i> Dot Moth	1971	0	1	1	0	1	0	—	0	2	1	0	0	2	3	1
	1972	0	1	0	0	0	7	1	0	1	0	1	5	3	5	14
<i>Operophtera brumata</i> Winter Moth	1971	11	153	2	62	51	13	—	4	62	35	11	21	6	6	6
	1972	5	34	0	19	28	3	9	5	18	5	31	9	7	14	6

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	173 Lydd	104 Wellington	33 Dungeness	192 Ringmer	176 Brighton	78 Ringwood	163 Arne	149 Starcross	211 Torpoint	67 Slapton Ley	114 Rosewarne	102 Helston	191 Guernsey	146 Jersey	Year	Species
	1	0	32	6	0	5	0	4	—	18	8	—	51	6	1971	<i>Gortyna micacea</i>
	0	0	12	1	0	0	0	7	11	33	1	57	67	4	1972	Rosy Rustic
	0	0	0	0	0	0	3	0	—	0	0	—	0	0	1971	<i>Bupalus piniaria</i>
	0	0	0	0	0	0	15	0	0	0	0	0	0	0	1972	Bordered White
	0	0	0	0	0	1	4	0	—	0	0	—	0	0	1971	<i>Panolis flammea</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	Pine Beauty
	9	0	15	0	1	1	0	0	—	0	0	—	0	0	1971	<i>Cerapteryx graminis</i>
	1	0	10	0	0	0	1	0	0	0	0	1	0	0	1972	Antler Moth
	0	0	0	5	0	3	6	0	—	0	0	—	0	0	1971	<i>Erannis aurantiaria</i>
	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1972	Scarce Umber
	0	0	0	0	0	0	82	0	—	0	0	—	0	0	1971	<i>Operophtera fagata</i>
	0	0	0	0	0	0	8	0	0	0	0	0	0	0	1972	Northern Winter Moth
	0	0	4	0	1	0	0	0	—	0	0	—	1	0	1971	<i>Apamea sordens</i>
	0	0	6	0	1	0	0	0	0	0	0	0	0	0	1972	Rustic Shoulder-knot
	0	0	6	0	0	0	0	1	—	1	2	—	2	0	1971	<i>Gortyna flavago</i>
	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1972	Frosted Orange
	2	0	0	0	0	0	1	0	—	3	2	—	30	13	1971	<i>Mamestra brassicae</i>
	0	0	2	1	0	0	0	1	8	5	3	0	12	7	1972	Cabbage Moth
	3	22	4	18	6	9	2	3	—	3	5	—	5	6	1971	<i>Noctua pronuba</i>
	0	23	4	18	7	0	0	2	3	10	1	23	12	0	1972	Large Yellow Underwing
	1	0	12	1	0	6	2	2	—	17	10	—	144	7	1971	<i>Diataraxia oleracea</i>
	0	0	20	5	0	2	3	0	18	21	13	0	108	10	1972	Bright-line Brown-eye
	0	0	0	0	1	0	0	0	—	0	1	—	0	1	1971	<i>Euxoa nigricans</i>
	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1972	Garden Dart
	0	0	36	22	1	9	8	5	—	38	3	—	36	8	1971	<i>Apamea secalis</i>
	0	0	74	4	2	0	1	4	13	2	9	22	28	3	1972	Common Rustic
	0	0	2	0	1	0	0	0	—	10	3	—	0	2	1971	<i>Melanchra persicariae</i>
	0	0	0	2	0	1	0	0	0	1	4	0	0	2	1972	Dot Moth
	0	0	0	20	1	11	19	4	—	0	0	—	6	1	1971	<i>Operophtera brumata</i>
	0	0	0	3	2	0	2	1	32	1	0	0	5	1	1972	Winter Moth

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Species	Year	210 Bettyhill	57 Ardross	58 Newton, Elgin	50 Grula, Skye	49 Fort Augustus	29 Rannoch	47 Dundee	197 Dunblane	140 Vane Farm	97 Rowardennan	98 Auchincruive	127 Kielder	39 Chester le Street	133 Leighton Moss	72 Castletown, I.O.M.
<i>Abraxas grossulariata</i> Magpie Moth	1971	—	0	0	21	0	0	0	—	0	0	0	0	0	0	4
	1972	0	0	0	15	0	0	0	0	2	0	0	1	0	11	9
<i>Agrotis segetum</i> Turnip Moth	1971	—	0	0	0	0	0	0	—	1	0	2	0	0	0	0
	1972	0	0	2	0	0	0	3	1	0	0	0	0	0	1	0
<i>Erannis defoliaria</i> Mottled Umber	1971	—	13	1	2	0	7	1	—	0	106	0	3	0	9	1
	1972	0	4	3	0	2	1	3	2	0	20	0	7	0	6	2
<i>Phlogophora meticulosa</i> Angle Shades	1971	—	0	0	4	0	0	0	—	0	0	0	3	0	3	4
	1972	0	0	0	1	0	0	0	0	0	0	0	0	0	6	2
<i>Alsophila aescularia</i> March Moth	1971	—	14	3	0	2	0	2	—	0	68	0	0	0	51	0
	1972	0	15	10	0	12	0	2	0	0	46	0	0	0	22	0
<i>Hepialus humuli</i> Ghost Swift	1971	—	2	0	4	2	1	1	—	0	0	3	1	1	10	0
	1972	5	0	0	12	0	0	1	0	0	7	0	0	1	0	0
<i>Hepialus lupulina</i> Common Swift	1971	—	0	0	0	0	1	0	—	0	1	0	0	2	2	0
	1972	1	0	0	1	0	9	1	0	0	1	0	0	0	2	0
<i>Agrotis ipsilon</i> Dark Sword Grass	1971	—	0	1	1	0	0	0	—	0	0	0	1	0	1	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Euproctis chrysorrhoea</i> Brown-tail	1971	—	0	0	0	0	0	0	—	0	0	0	0	0	0	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agrotis exclamationis</i> Heart and Dart	1971	—	2	1	0	12	0	3	—	6	0	0	1	28	25	82
	1972	0	0	6	0	2	0	14	1	6	0	2	0	2	5	69
<i>Plusia gamma</i> Silver Y	1971	—	3	6	16	24	7	12	—	40	3	4	18	54	15	131
	1972	2	0	1	1	2	7	2	3	0	0	0	3	6	1	6
<i>Laphygma exigua</i> Small Mottled Willow	1971	—	0	0	0	0	0	0	—	0	0	0	0	0	0	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nycterosea obstipata</i> The Gem	1971	—	0	0	0	0	0	0	—	0	0	0	0	0	0	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nomophila noctuella</i> Rush Veneer Pearl	1971	—	0	0	—	0	—	0	—	1	0	0	1	0	3	—
	1972	—	0	0	—	0	0	0	—	0	0	0	0	0	0	—
<i>Plutella maculipennis</i> Diamond-back Moth	1971	—	0	0	—	0	—	1	—	0	1	2	0	0	0	—
	1972	—	0	0	—	0	6	593	—	0	0	0	0	0	0	—
<i>Udea ferrugalis</i> Rusty Dot Pearl	1971	—	0	0	—	0	—	0	—	0	0	0	0	0	0	—
	1972	—	0	0	—	0	0	0	—	0	0	0	0	0	0	—

ROTHAMSTED INSECT SURVEY

(d)

of moths of economic, or other, interest for 1971 and 1972

	45 Malham Tarn	68 Harrogate	101 Keighley	131 Spurn Head	157 Barnsley	85 Prestwich	35 Bangor	95 Gibraltar Point	189 Leek	188 Stoke	77 Maentwrog	79 Shardlow	160 Thorpe in the Glebe	168 Sutton Bonington	201 Sutton Bonington	Year	Species
	0	4	0	0	1	0	0	0	0	—	0	1	7	0	—	1971	<i>Abraxas grossulariata</i>
	0	3	3	1	0	4	0	0	0	0	0	7	57	0	3	1972	Magpie Moth
	0	1	0	0	0	0	0	0	—	0	0	0	0	13	—	1971	<i>Agrotis segetum</i>
	0	0	0	0	0	0	1	1	0	0	0	4	0	1	1	1972	Turnip Moth
	3	1	0	4	0	0	0	0	23	—	535	4	4	0	—	1971	<i>Erannis defoliaria</i>
	1	1	0	0	0	0	0	0	12	1	154	5	17	0	1	1972	Mottled Umber
	2	0	1	3	0	0	2	17	5	—	3	10	3	5	—	1971	<i>Phlogophora meticulosa</i>
	0	0	0	8	0	0	3	4	3	0	0	13	6	8	4	1972	Angle Shades
	1	1	1	4	1	0	0	3	8	—	16	5	67	1	—	1971	<i>Alsophila aescularia</i>
	0	1	0	0	2	0	0	1	16	5	37	20	60	0	16	1972	March Moth
	0	0	1	6	0	0	0	0	29	—	0	1	3	2	—	1971	<i>Hepialus humuli</i>
	0	0	0	0	1	1	0	0	5	1	0	3	1	1	0	1972	Ghost Swift
	1	31	1	4	21	1	0	99	10	—	0	68	569	23	—	1971	<i>Hepialus lupulina</i>
	1	4	2	17	2	0	0	37	11	0	0	22	23	20	1	1972	Common Swift
	0	0	0	0	0	0	0	0	0	—	0	0	0	0	—	1971	<i>Agrotis ipsilon</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	Dark Sword Grass
	0	0	0	0	0	0	0	0	0	—	0	0	0	1	—	1971	<i>Euproctis chrysorrhoea</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	Brown-tail
	0	38	11	218	83	31	28	71	146	—	2	268	634	501	—	1971	<i>Agrotis exclamationis</i>
	2	6	5	12	29	14	9	63	40	24	4	144	272	307	110	1972	Heart and Dart
	16	31	15	12	66	4	8	51	44	—	13	31	82	31	—	1971	<i>Plusia gamma</i>
	0	1	0	8	1	0	1	11	0	0	1	6	5	3	16	1972	Silver Y
	0	0	0	0	0	0	0	0	0	—	0	0	0	0	—	1971	<i>Laphygma exigua</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	Small Mottled Willow
	0	0	0	0	0	0	0	0	0	—	0	0	0	0	—	1971	<i>Nycterosea obstipata</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	The Gem
	0	—	—	—	0	0	0	1	1	—	—	—	—	0	—	1971	<i>Nomophila noctuella</i>
	0	—	—	0	0	0	0	0	0	0	—	—	—	0	0	1972	Rush Veneer Pearl
	0	—	—	—	54	4	0	0	1	—	—	—	—	0	—	1971	<i>Plutella maculipennis</i>
	0	—	—	62	98	31	1	0	0	10	—	—	—	0	0	1972	Diamond-back Moth
	0	—	—	—	0	0	0	0	0	—	—	—	—	0	—	1971	<i>Udea ferrugalis</i>
	0	—	—	0	0	0	0	0	0	0	—	—	—	0	0	1972	Rusty Dot Pearl

ROTHAMSTED REPORT FOR 1973, PART 2

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The Rothamsted Insect Survey—Light Traps: annual records

Species	Year	216 Terrington	207 Pallaskenry, Eire	53 Preston Montford	126 Aberystwyth	94 Monks Wood	112 Shirley	129 Wellingborough	88 Broom's Barn	125 Sandy	158 Ipswich	139 The Gwenffrwd	212 Hereford	195 Pershore	147 Simpson	145 Shenley Brook End
<i>Abraxas grossulariata</i> Magpie Moth	1971	—	—	—	3	4	9	2	0	0	0	0	—	11	4	16
	1972	2	21	1	6	6	28	0	1	0	4	0	12	11	2	31
<i>Agrotis segetum</i> Turnip Moth	1971	—	—	—	0	2	0	1	4	3	4	0	—	0	5	3
	1972	1	0	0	0	2	0	0	9	2	0	0	0	0	0	1
<i>Erannis defoliaria</i> Mottled Umber	1971	—	—	—	3	0	0	0	2	23	0	20	—	15	4	0
	1972	0	1	0	2	0	2	0	0	10	0	18	3	7	1	0
<i>Phlogophora meticulosa</i> Angle Shades	1971	—	—	—	7	4	0	9	2	8	0	1	—	19	1	14
	1972	5	4	2	15	8	2	6	2	1	1	1	15	10	2	1
<i>Alsophila aescularia</i> March Moth	1971	—	—	—	4	5	1	1	3	9	2	11	—	3	5	14
	1972	6	3	10	4	17	1	2	8	22	0	15	18	37	0	25
<i>Hepialus humuli</i> Ghost Swift	1971	—	—	—	1	5	0	0	0	0	0	1	—	0	3	1
	1972	0	1	2	5	2	0	0	0	0	0	0	0	1	0	0
<i>Hepialus lupulina</i> Common Swift	1971	—	—	—	0	12	0	8	9	0	54	0	—	0	256	32
	1972	10	0	1	0	6	1	3	0	0	13	0	0	0	41	1
<i>Agrotis ipsilon</i> Dark Sword Grass	1971	—	—	—	0	0	0	0	0	0	0	0	—	0	0	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Euproctis chryorrhoea</i> Brown-tail	1971	—	—	—	0	0	0	0	0	0	1	0	—	15	0	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agrotis exclamationis</i> Heart and Dart	1971	—	—	—	25	313	19	63	87	72	114	19	—	133	292	328
	1972	39	0	97	27	316	7	31	126	56	41	14	191	30	76	372
<i>Plusia gamma</i> Silver Y	1971	—	—	—	22	14	27	29	10	21	23	10	—	32	45	30
	1972	0	0	3	1	3	4	6	5	2	2	0	1	3	5	3
<i>Laphygma exigua</i> Small Mottled Willow	1971	—	—	—	0	0	0	0	0	0	0	0	—	0	0	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nycterosea obstipata</i> The Gem	1971	—	—	—	0	0	0	0	0	0	0	1	—	1	0	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nomophila noctuella</i> Rush Veneer Pearl	1971	—	—	—	1	0	—	0	0	2	0	0	—	0	0	0
	1972	0	—	0	0	0	—	0	0	0	0	0	0	0	0	0
<i>Plutella maculipennis</i> Diamond-back Moth	1971	—	—	—	1	0	—	0	5	9	0	—	—	0	1	1
	1972	378	—	8	5	0	—	0	38	34	94	0	44	0	0	4
<i>Udea ferrugalis</i> Rusty Dot Pearl	1971	—	—	—	0	0	—	0	0	0	0	—	—	0	0	0
	1972	0	—	0	0	0	—	0	0	0	0	0	0	0	0	0

ROTHAMSTED INSECT SURVEY

2(e)

of moths of economic, or other, interest for 1971 and 1972

170 Howe Park		144 Bletchley Park		150 Bletchley		182 Woodstock I		217 Woodstock II		208 Whipnade		1 Rothamsted (Barnfield)		34 Rothamsted (Allotments)		22 Rothamsted (Geescroft)		214 Rye Meads		87 Writtle		200 Thame		213 Gower		180 Hurley		Year	Species
109	5	—	—	—	—	—	—	—	—	—	—	5	0	62	0	0	0	0	0	0	0	23	—	—	4	1971	<i>Abraxas grossulariata</i>		
231	2	0	15	13	17	—	—	—	—	—	—	3	1	69	0	3	5	13	11	—	—	—	—	—	—	1972	Magpie Moth		
4	1	—	—	—	—	—	—	—	—	—	—	6	1	15	4	6	0	—	1	—	—	—	—	—	—	1971	<i>Agrotis segetum</i>		
2	5	1	0	0	3	4	3	4	0	18	0	4	3	4	0	4	0	0	4	—	—	—	—	—	—	1972	Turnip Moth		
65	0	—	—	—	—	—	—	—	—	—	—	0	0	72	0	3	0	—	6	—	—	—	—	—	—	1971	<i>Erannis defoliaria</i>		
50	0	0	0	0	2	0	0	33	0	4	0	0	0	33	0	4	0	49	4	—	—	—	—	—	—	1972	Mottled Umber		
26	3	—	—	—	—	—	—	—	—	—	—	1	1	4	4	5	0	—	0	—	—	—	—	—	—	1971	<i>Phlogophora meticulosa</i>		
17	0	0	0	0	3	0	0	0	1	27	1	0	0	0	1	27	1	5	3	—	—	—	—	—	—	1972	Angle Shades		
72	2	—	—	—	—	—	—	—	—	—	—	1	0	33	0	5	3	—	23	—	—	—	—	—	—	1971	<i>Alsophila aescularia</i>		
89	0	0	7	10	27	3	1	28	1	9	8	3	1	28	1	9	8	16	15	—	—	—	—	—	—	1972	March Moth		
0	0	—	—	—	—	—	—	—	—	—	—	2	2	3	1	0	0	—	5	—	—	—	—	—	—	1971	<i>Hepialus humuli</i>		
0	0	0	0	0	1	3	1	0	0	0	0	3	1	0	0	0	0	1	4	—	—	—	—	—	—	1972	Ghost Swift		
16	9	—	—	—	—	—	—	—	—	—	—	16	141	33	4	15	6	—	12	—	—	—	—	—	—	1971	<i>Hepialus lupulina</i>		
5	0	1	1	0	55	13	1	18	5	6	2	3	1	18	5	6	2	3	20	—	—	—	—	—	—	1972	Common Swift		
0	0	—	—	—	—	—	—	—	—	—	—	0	0	0	0	0	0	—	0	—	—	—	—	—	—	1971	<i>Agrotis ipsilon</i>		
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	1972	Dark Sword Grass		
0	0	—	—	—	—	—	—	—	—	—	—	0	0	0	0	1	0	—	0	—	—	—	—	—	—	1971	<i>Euproctis chrysorrhoea</i>		
0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	1972	Brown-tail		
292	48	—	—	—	—	—	—	—	—	—	—	118	45	107	61	173	205	—	35	—	—	—	—	—	—	1971	<i>Agrotis exclamationis</i>		
107	122	32	70	70	217	64	28	37	5	34	159	40	41	—	—	—	—	—	—	—	—	—	—	—	—	1972	Heart and Dart		
25	22	—	—	—	—	—	—	—	—	—	—	21	3	37	15	149	22	—	3	—	—	—	—	—	—	1971	<i>Plusia gamma</i>		
10	4	0	0	0	1	6	0	8	1	44	6	2	0	8	1	44	6	2	0	—	—	—	—	—	—	1972	Silver Y		
0	0	—	—	—	—	—	—	—	—	—	—	0	0	0	0	0	0	—	0	—	—	—	—	—	—	1971	<i>Laphygma exigua</i>		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	1972	Small Mottled Willow		
0	0	—	—	—	—	—	—	—	—	—	—	0	0	0	0	0	0	—	0	—	—	—	—	—	—	1971	<i>Nycterosea obstipata</i>		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	1972	The Gem		
3	0	—	—	—	—	—	—	—	—	—	—	0	1	0	0	0	—	—	0	—	—	—	—	—	—	1971	<i>Nomophila noctuella</i>		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—	0	—	—	—	—	—	—	1972	Rush Veneer Pearl		
1	3	—	—	—	—	—	—	—	—	—	—	35	13	0	0	0	—	—	0	—	—	—	—	—	—	1971	<i>Plutella maculipennis</i>		
0	11	8	0	0	1	32	2	0	22	0	—	32	2	0	22	0	—	0	3	—	—	—	—	—	—	1972	Diamond-back Moth		
0	0	—	—	—	—	—	—	—	—	—	—	0	0	0	0	0	—	—	0	—	—	—	—	—	—	1971	<i>Udea ferrugalis</i>		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—	0	—	—	—	—	—	—	1972	Rusty Dot Pearl		

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TABLE

The Rothamsted Insect Survey—Light Traps: annual records

Species	Year	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	185 West Buckland	184 Dulverton	186 Great Torrington
<i>Abraxas grossulariata</i> Magpie Moth	1971	0	25	0	0	0	0	—	1	5	2	3	19	21	3	101
	1972	0	35	0	0	1	3	0	0	4	0	6	44	30	17	160
<i>Agrotis segetum</i> Turnip Moth	1971	0	1	0	0	0	1	—	0	4	1	0	0	0	0	0
	1972	0	0	2	0	0	3	0	1	2	0	0	0	0	0	0
<i>Erannis defoliaria</i> Mottled Umber	1971	0	30	5	104	69	0	—	3	23	29	12	5	1	13	0
	1972	0	15	0	44	32	0	12	0	7	14	12	7	5	14	0
<i>Phlogophora meticulosa</i> Angle Shades	1971	1	3	5	3	0	2	—	0	10	1	3	5	3	3	11
	1972	0	0	0	1	1	10	1	2	10	2	5	4	5	5	9
<i>Alsophila aescularia</i> March Moth	1971	0	9	6	30	26	0	—	2	24	13	15	28	18	17	15
	1972	0	13	3	5	24	5	3	0	21	55	6	20	9	22	15
<i>Hepialus humuli</i> Ghost Swift	1971	0	0	0	1	1	9	—	1	0	3	0	3	0	0	0
	1972	0	0	0	0	2	5	2	0	0	0	0	0	0	2	1
<i>Hepialus lupulina</i> Common Swift	1971	49	10	0	6	0	2	—	2	39	4	0	3	0	0	2
	1972	75	16	0	1	0	4	2	1	84	0	0	5	0	0	1
<i>Agrotis ipsilon</i> Dark Sword Grass	1971	0	0	0	0	0	0	—	0	0	0	0	0	0	1	1
	1972	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<i>Euproctis chrysorrhoea</i> Brown-tail	1971	0	0	0	0	0	0	—	0	0	0	0	0	0	0	0
	1972	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
<i>Agrotis exclamationis</i> Heart and Dart	1971	1	38	20	18	39	13	—	23	438	86	16	223	278	159	207
	1972	1	66	19	10	20	77	37	48	169	30	12	113	146	106	219
<i>Plusia gamma</i> Silver Y	1971	3	22	13	28	76	0	—	4	45	42	78	16	27	16	90
	1972	0	7	0	2	15	0	26	0	20	0	20	3	2	1	9
<i>Laphygma exigua</i> Small Mottled Willow	1971	0	0	0	0	0	0	—	0	0	0	0	0	0	0	0
	1972	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
<i>Nycterosea obstipata</i> The Gem	1971	0	0	0	0	0	0	—	0	0	0	0	0	0	0	0
	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nomophila noctuella</i> Rush Veneer Pearl	1971	0	—	—	0	0	0	—	—	0	4	2	—	2	0	7
	1972	0	—	—	0	0	0	—	—	0	0	0	—	0	0	0
<i>Plutella maculipennis</i> Diamond-back Moth	1971	2	—	—	1	0	2	—	—	4	6	1	—	0	0	1
	1972	93	—	—	0	0	1351	—	—	58	25	0	—	16	0	3
<i>Udea ferrugalis</i> Rusty Dot Pearl	1971	0	—	—	0	0	0	—	—	0	0	0	—	0	0	0
	1972	0	—	—	0	0	0	—	—	0	0	0	—	0	0	0

ROTHAMSTED INSECT SURVEY

(f)

f moths of economic, or other, interest for 1971 and 1972

	173 Lydd	104 Wellington	33 Dungeness	192 Ringmer	176 Brighton	78 Ringwood	163 Arne	149 Starcross	211 Torpoint	67 Slapton Ley	114 Rosewarne	102 Helston	191 Guernsey	146 Jersey	Year	Species
	0	4	4	31	1	3	3	2	—	1	1	—	30	5	1971	<i>Abraxas grossulariata</i>
	1	13	4	21	3	0	0	4	25	4	1	47	16	2	1972	Magpie Moth
	0	0	3	1	0	0	0	0	—	0	9	—	2	3	1971	<i>Agrotis segetum</i>
	0	0	1	4	0	0	0	0	0	1	13	0	4	0	1972	Turnip Moth
	0	0	0	5	0	20	8	0	—	1	0	—	0	0	1971	<i>Erannis defoliaria</i>
	0	4	0	2	0	4	5	0	1	0	0	1	0	0	1972	Mottled Umber
	6	8	3	10	2	1	2	1	—	3	7	—	8	5	1971	<i>Phlogophora meticulosa</i>
	8	27	1	8	1	0	0	0	7	2	0	3	5	2	1972	Angle Shades
	0	0	0	17	1	1	0	4	—	1	2	—	0	6	1971	<i>Alsophila aescularia</i>
	0	1	0	13	1	1	3	2	2	3	0	0	0	4	1972	March Moth
	0	0	0	3	0	0	0	2	—	0	2	—	0	0	1971	<i>Hepialus humuli</i>
	0	0	0	0	0	0	0	0	0	1	4	0	0	0	1972	Ghost Swift
	62	0	206	20	17	0	0	2	—	0	1	—	31	0	1971	<i>Hepialus lupulina</i>
	5	0	151	28	16	0	0	0	5	0	1	2	13	0	1972	Common Swift
	0	0	0	0	0	0	0	0	—	0	0	—	0	1	1971	<i>Agrotis ipsilon</i>
	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1972	Dark Sword Grass
	40	0	152	0	0	0	0	0	—	0	0	—	0	0	1971	<i>Euproctis chrysorrhoea</i>
	29	0	135	2	0	0	0	0	0	0	0	0	0	0	1972	Brown-tail
	94	30	418	215	79	75	4	73	—	505	64	—	65	59	1971	<i>Agrotis exclamatoris</i>
	56	2	135	198	40	5	7	40	27	79	102	192	47	27	1972	Heart and Dart
	0	21	56	21	29	1	17	104	—	13	92	—	60	61	1971	<i>Plusia gamma</i>
	17	3	20	1	12	2	1	14	33	3	5	4	13	10	1972	Silver Y
	0	0	1	0	0	0	0	0	—	0	0	—	0	0	1971	<i>Laphygma exigua</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	Small Mottled Willow
	0	0	2	0	0	0	0	1	—	0	0	—	0	0	1971	<i>Nycterosea obstipata</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1972	The Gem
	—	—	—	—	—	—	11	20	—	15	16	—	17	32	1971	<i>Nomophila noctuella</i>
	—	—	—	—	—	—	0	0	0	0	0	—	0	0	1972	Rush Veneer Pearl
	—	—	—	—	—	—	17	124	—	0	191	—	139	109	1971	<i>Plutella maculipennis</i>
	—	—	—	—	—	—	36	189	2	9	374	—	542	92	1972	Diamond-back Moth
	—	—	—	—	—	—	1	0	—	1	0	—	9	0	1971	<i>Udea ferrugalis</i>
	—	—	—	—	—	—	0	0	0	0	0	—	1	0	1972	Rusty Dot Pearl

KOHAHA STEEP INSECT SURVEY

Number of specimens of each species for 1961 and 1962

Species	#	1961	1962
Blattella germanica	1314	10	10
Blattella sp.	1315	10	10
Blattella sp.	1316	10	10
Blattella sp.	1317	10	10
Blattella sp.	1318	10	10
Blattella sp.	1319	10	10
Blattella sp.	1320	10	10
Blattella sp.	1321	10	10
Blattella sp.	1322	10	10
Blattella sp.	1323	10	10
Blattella sp.	1324	10	10
Blattella sp.	1325	10	10
Blattella sp.	1326	10	10
Blattella sp.	1327	10	10
Blattella sp.	1328	10	10
Blattella sp.	1329	10	10
Blattella sp.	1330	10	10
Blattella sp.	1331	10	10
Blattella sp.	1332	10	10
Blattella sp.	1333	10	10
Blattella sp.	1334	10	10
Blattella sp.	1335	10	10
Blattella sp.	1336	10	10
Blattella sp.	1337	10	10
Blattella sp.	1338	10	10
Blattella sp.	1339	10	10
Blattella sp.	1340	10	10
Blattella sp.	1341	10	10
Blattella sp.	1342	10	10
Blattella sp.	1343	10	10
Blattella sp.	1344	10	10
Blattella sp.	1345	10	10
Blattella sp.	1346	10	10
Blattella sp.	1347	10	10
Blattella sp.	1348	10	10
Blattella sp.	1349	10	10
Blattella sp.	1350	10	10
Blattella sp.	1351	10	10
Blattella sp.	1352	10	10
Blattella sp.	1353	10	10
Blattella sp.	1354	10	10
Blattella sp.	1355	10	10
Blattella sp.	1356	10	10
Blattella sp.	1357	10	10
Blattella sp.	1358	10	10
Blattella sp.	1359	10	10
Blattella sp.	1360	10	10
Blattella sp.	1361	10	10
Blattella sp.	1362	10	10
Blattella sp.	1363	10	10
Blattella sp.	1364	10	10
Blattella sp.	1365	10	10
Blattella sp.	1366	10	10
Blattella sp.	1367	10	10
Blattella sp.	1368	10	10
Blattella sp.	1369	10	10
Blattella sp.	1370	10	10
Blattella sp.	1371	10	10
Blattella sp.	1372	10	10
Blattella sp.	1373	10	10
Blattella sp.	1374	10	10
Blattella sp.	1375	10	10
Blattella sp.	1376	10	10
Blattella sp.	1377	10	10
Blattella sp.	1378	10	10
Blattella sp.	1379	10	10
Blattella sp.	1380	10	10
Blattella sp.	1381	10	10
Blattella sp.	1382	10	10
Blattella sp.	1383	10	10
Blattella sp.	1384	10	10
Blattella sp.	1385	10	10
Blattella sp.	1386	10	10
Blattella sp.	1387	10	10
Blattella sp.	1388	10	10
Blattella sp.	1389	10	10
Blattella sp.	1390	10	10
Blattella sp.	1391	10	10
Blattella sp.	1392	10	10
Blattella sp.	1393	10	10
Blattella sp.	1394	10	10
Blattella sp.	1395	10	10
Blattella sp.	1396	10	10
Blattella sp.	1397	10	10
Blattella sp.	1398	10	10
Blattella sp.	1399	10	10
Blattella sp.	1400	10	10