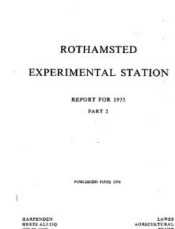


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Rothamsted Experimental Station Report for 1975 Part 2



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Rothamsted Insect Survey Seventh Annual Summary

L. R. Taylor and R. A. French

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Rothamsted Insect Survey

Seventh Annual Summary

L. R. TAYLOR and R. A. FRENCH

With a comment on the Neuroptera by J. BOWDEN

Suction traps

Samples were collected daily from 1 April to 4 November 1975. Aphid Bulletins were issued weekly from 7 April (Bulletin No. 1) to 4 November (Bulletin No. 30). The 33 aphid taxa listed in Table 1(a-h) are those in the Aphid Bulletin and are the same as 1972, 1973 and 1974, except that *Myzus persicae* grp. is now separated into *M. certus* and *M. persicae*.

A new trap at Writtle Agricultural College, nr. Chelmsford started operating on 22 May, 1975; records for this appear in Table 1 (c-h). Two 4-foot traps (1.2 m) were operated at Rothamsted and Dundee; records for these do not appear in the Bulletins nor in Table 1.

Catches from Zeeland, Broom's Barn and Aberystwyth were mainly identified at the site by D. Hille Ris Lambers of Bladluisonderzoek TNO, G. D. Heathcote of Broom's Barn and A. M. Dewar 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, J. A. T. Woodford of the Scottish Horticultural Research Institute helped with the differentiation of *Myzus certus* and *M. persicae*.

The Bulletin, sent out each Friday, lists aphids caught between 5 and 12 days earlier, except Zeeland and Copenhagen where samples were from 12 to 19 days previously. This timing is determined by the postal service.

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).

Sample volumes were halved at Long Ashton from 15 to 31 July, at Preston, Shardlow, Hereford, Writtle and Silwood from 15 July to 20 August, at Broom's Barn, 22 July to 4 August, at Rothamsted Tower 30 July to 19 August, at East Craigs 5 to 14 August and at Dundee 5 to 27 August 1975. Samples were also sub-sampled in the laboratory for some sites when numbers were high early in the year. Both the figures in the weekly Bulletins and in the 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 1973 and 1974 of the same pest, or migratory, Lepidoptera as in previous years. Ninety-three sites completed the 364-day sample for 1974.

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 0; dashes indicate no record.

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

ROTHAMSTED REPORT FOR 1975, PART 2

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

Sites	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth
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>										1
<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				2
<i>Myzus ascalonicus</i>								2	1	
<i>Myzus certus</i>										
<i>Myzus ornatus</i>			2					1	1	1
<i>Myzus persicae</i>										
<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>										10
<i>Sitobion avenae</i>										
<i>Sitobion fragariae</i>										
Date of first aphid			Apr 16			Apr 21		Apr 17	Apr 21	Apr 11

ROTHAMSTED INSECT SURVEY

1(a)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1975
26 March to 22 April 1975

Broom's Barn	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.
								1		<i>Amphorophora rubi</i>
			1							<i>Aulacorthum solani</i>
										<i>Brachycaudus helichrysi</i>
			1							<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>
			1					1		<i>Hyperomyzus lactucae</i>
										<i>Macrosiphum euphorbiae</i>
			15	5				4	1	<i>Megoura viciae</i>
1	1	2	16	2						<i>Metopolophium dirhodum</i>
1	2	2	6	1	2				1	<i>Metopolophium festucae</i>
		1						1		<i>Myzus ascalonicus</i>
	1	1	6	11				12		<i>Myzus certus</i>
				1				1		<i>Myzus ornatus</i>
										<i>Myzus persicae</i>
										<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>
		1	14		1			1		<i>Rhopalosiphum maidis</i>
				1						<i>Rhopalosiphum padi</i>
			1						2	<i>Sitobion avenae</i>
										<i>Sitobion fragariae</i>
Apr 18	Apr 12	Apr 16	Apr 11	Apr 11	Apr 21			Apr 11	Apr 17	Date of first aphid

ROTHAMSTED REPORT FOR 1975, PART 2

TABLE

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

Sites	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth
Species										
<i>Acyrtosiphon pisum</i>										
<i>Aphis fabae</i> grp.										
<i>Aphis</i> spp.									1	
<i>Amphorophora rubi</i>										
<i>Aulacorthum solani</i>						1	1	6	3	
<i>Brachycaudus helichrysi</i>		1	7	2						
<i>Brevicoryne brassicae</i>										
<i>Cavariella aegopodii</i>								2		2
<i>Cinara</i> spp.										
<i>Drepanosiphum platanoidis</i>	3	56	37				1	21	396	37
<i>Dysaphis plantaginea</i>										
<i>Elatobium abietinum</i>	11	2	3	4			1	4	1	102
<i>Eriosoma ulmi</i>										
<i>Hyalopterus pruni</i>										
<i>Hyperomyzus lactucae</i>										1
<i>Macrosiphum euphorbiae</i>								1	3	1
<i>Megoura viciae</i>										
<i>Metopolophium dirhodum</i>				1				2	2	1
<i>Metopolophium festucae</i>				1				12	94	9
<i>Myzus ascalonicus</i>	2	1	3	1	5	1	7	7	49	3
<i>Myzus certus</i>										
<i>Myzus ornatus</i>		1	7	1		1		1	11	2
<i>Myzus persicae</i>						1			2	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>								2		
<i>Rhopalosiphum maidis</i>										
<i>Rhopalosiphum padi</i>			4	1		1	1	5	14	36
<i>Sitobion avenae</i>							1		3	8
<i>Sitobion fragariae</i>				1					1	1
Date of first aphid	May 17	May 9		May 15	May 16		Apr 27			

ROTHAMSTED INSECT SURVEY

1(b)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1975
23 April to 20 May 1975

Broom's Barn	Hereford	Rothamsted Tower	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
			2	7	3			1		Species
				2	12			3		<i>Acyrtosiphon pisum</i>
					1				1	<i>Aphis fabae</i> grp.
	6		8	6	2			4	2	<i>Aphis</i> spp.
1	5	2	40	32	144		1	12	2	<i>Amphorophora rubi</i>
			6		4	1		1		<i>Aulacorthum solani</i>
					4			7		<i>Brachycaudus helichrysi</i>
										<i>Brevicoryne brassicae</i>
										<i>Cavariella aegopodii</i>
40	33	3	2	64	1		2	4	2	<i>Cinara</i> spp.
1										<i>Drepanosiphum platanoidis</i>
3	23	2		19	23		6	3	20	<i>Dysaphis plantaginea</i>
										<i>Elatobium abietinum</i>
										<i>Eriosoma ulmi</i>
	1		2		1					<i>Hyalopterus pruni</i>
1	3		14	11	25			4	2	<i>Hyperomyzus lactucae</i>
	2	3	69	30	29		4	8	4	<i>Macrosiphum euphorbiae</i>
2	46	10	55	98	45	12	1	3	4	<i>Megoura viciae</i>
23	38	36	47	38	25	30	5	7	3	<i>Metopolophium dirhodum</i>
1	1		14	6	14				1	<i>Metopolophium festucae</i>
	5	21	20	67	20		2	22	5	<i>Myzus ascalonicus</i>
1	2	4	4	8	3	1	1	3	4	<i>Myzus certus</i>
			1		1					<i>Myzus ornatus</i>
										<i>Myzus persicae</i>
										<i>Nasonovia ribis nigri</i>
										<i>Pemphigus</i> spp.
				1						<i>Pentatrichopus fragaefolii</i>
										<i>Phorodon humuli</i>
				1						<i>Phyllaphis fagi</i>
				2				1		<i>Rhopalosiphum insertum</i>
										<i>Rhopalosiphum maidis</i>
11	10	3	260	56	90	25	11	91	15	<i>Rhopalosiphum padi</i>
2	11	3	6	47	24	2	1	17	2	<i>Sitobion avenae</i>
			10	3	3			2	4	<i>Sitobion fragariae</i>
						Apr 28	Apr 25			Date of first aphid

ROTHAMSTED REPORT FOR 1975, PART 2

TABLE

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

Sites	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth
Species										
<i>Acyrtosiphon pisum</i>				1				1	6	1
<i>Aphis fabae</i> grp.		1								
<i>Aphis</i> spp.	1	1	1	1	5			2	9	8
<i>Amphorophora rubi</i>								5		2
<i>Aulacorthum solani</i>		2	4	3			2	46	43	12
<i>Brachycaudus helichrysi</i>	7	34	67	21	8	18	33	227	300	101
<i>Brevicoryne brassicae</i>									3	5
<i>Cavariella aegopodii</i>	1	4	6	2	13	1	1	15	14	5
<i>Cinara</i> spp.	1	6	2						1	2
<i>Drepanosiphum platanoidis</i>	228	294	874	32	16	7	6	127	89	30
<i>Dysaphis plantaginea</i>										
<i>Elatobium abietinum</i>	336	284	128	93	73	105	30	80	19	1557
<i>Eriosoma ulmi</i>				1	2				3	
<i>Hyalopterus pruni</i>		3								
<i>Hyperomyzus lactucae</i>					2			1	10	4
<i>Macrosiphum euphorbiae</i>		9	17	1	10	4	2	26	24	11
<i>Megoura viciae</i>										
<i>Metopolophium dirhodum</i>			2	3		3	1	56	87	13
<i>Metopolophium festucae</i>	1	2	7	177	2	15	7	949	564	58
<i>Myzus ascalonicus</i>	10	11	46	60	162	35	49	75	141	37
<i>Myzus certus</i>		1	2			1		6	47	3
<i>Myzus ornatus</i>		1	9	1		3	1	7	6	3
<i>Myzus persicae</i>			2	1		2		2	73	6
<i>Nasonovia ribis nigri</i>	1	1			5			1	1	1
<i>Pemphigus</i> spp.										
<i>Pentatrichopus fragaefolii</i>		32							1	
<i>Phorodon humuli</i>					2				2	3
<i>Phyllaphis fagi</i>	22	119	75	37	4	2		2		
<i>Rhopalosiphum insertum</i>		3	10	7		1		7	3	39
<i>Rhopalosiphum maidis</i>										
<i>Rhopalosiphum padi</i>		10	16	28	13	6	2	416	214	544
<i>Sitobion avenae</i>		1	6	7	3	1	2	49	97	196
<i>Sitobion fragariae</i>				4				21	25	20

ROTHAMSTED INSECT SURVEY

1(c)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1975
21 May to 17 June 1975

Broom's Barn	Hereford	Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
											Species
2	2	2	3	6	6	13	2	1	9	3	<i>Acyrtosiphon pisum</i>
2	2	1		1		5			8	6	<i>Aphis fabae</i> grp.
	4	1	6	25	19	24		9	36	57	<i>Aphis</i> spp.
10	1		5	13	33	4		2	26	23	<i>Amphorophora rubi</i>
6	27	3	8	24	31	6	4	4	11	18	<i>Aulacorthum solani</i>
233	818	674	1155	1733	531	721	54	1095	300	160	<i>Brachycaudus helichrysi</i>
1	30	9	29	55	16	90		63	25	1	<i>Brevicoryne brassicae</i>
44	6	8	60	102	4	18	108	34	22	17	<i>Cavariella aegopodii</i>
			1	2	1	3	2	2	1	1	<i>Cinara</i> spp.
22	30	4	9	2	35	25	2	2	30	52	<i>Drepanosiphum platanoidis</i>
3									1		<i>Dysaphis plantaginea</i>
9	151	16	11	9	92	62	4	54	80	36	<i>Elatobium abietinum</i>
1	8		1	1				1	1		<i>Eriosoma ulmi</i>
											<i>Hyalopterus pruni</i>
5	10	13	16	37	17	35	4	19	16	10	<i>Hyperomyzus lactucae</i>
	26	25	24	71	48	52		32	23	16	<i>Macrosiphum euphorbiae</i>
						1					<i>Megoura viciae</i>
7	38	23	87	380	92	110	8	56	71	44	<i>Metopolophium dirhodum</i>
7	150	67	13	27	45	61	123	12	27	20	<i>Metopolophium festucae</i>
40	152	82	55	60	65	87	143	46	17	26	<i>Myzus ascalonicus</i>
4	21	4	9	49	17	32	1	7		9	<i>Myzus certus</i>
2	1	18	18	13	17	14		3	8	2	<i>Myzus ornatus</i>
7	30	20	15	42	21	36	2	12	8	2	<i>Myzus persicae</i>
1		4	3	2	3	2	1		7	4	<i>Nasonovia ribis nigri</i>
											<i>Pemphigus</i> spp.
	1		1	1	2	1			3		<i>Pentatrichopus fragaefolii</i>
3	80	8	18	27	29	22	1	110	1		<i>Phorodon humuli</i>
2	1	2		1	2	3			2		<i>Phyllaphis fagi</i>
8	4			2	12	3	12		3	74	<i>Rhopalosiphum insertum</i>
											<i>Rhopalosiphum maidis</i>
157	846	123	307	981	482	823	275	217	814	478	<i>Rhopalosiphum padi</i>
37	358	57	112	156	471	325	44	88	155	58	<i>Sitobion avenae</i>
5	31	23	14	72	66	22	2	14	45	115	<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1975, PART 2

TABLE

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

Sites	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth
Species										
<i>Acyrtosiphon pisum</i>	1	4	2	12	33	1	5	8	32	1
<i>Aphis fabae</i> grp.		2	6		2					
<i>Aphis</i> spp.	6	46	539	22	37	1		5	31	7
<i>Amphorophora rubi</i>		4	1		1	1		11	1	4
<i>Aulacorthum solani</i>		2	5	4	4	4	4	89	51	5
<i>Brachycaudus helichrysi</i>	10	67	279	67	139	61	496	378	948	32
<i>Brevicoryne brassicae</i>			1		3			9	98	6
<i>Cavariella aegopodii</i>	4	12	18	3	44	7	35	34	78	
<i>Cinara</i> spp.	1	19	1	3	3	3		2	6	5
<i>Drepanosiphum platanoidis</i>	28	24	67	8	9	41	36	34	88	12
<i>Dysaphis plantaginea</i>					7				2	
<i>Elatobium abietinum</i>	147	18		6	2	51	1	27		162
<i>Eriosoma ulmi</i>	2	16	11	4	4	3	6	4	9	
<i>Hyalopterus pruni</i>		68	15	7	641		3	5	11	
<i>Hyperomyzus lactucae</i>		4	12	3	6	1	18	12	104	25
<i>Macrosiphum euphorbiae</i>	1	29	49	11	60	15	23	190	248	73
<i>Megoura viciae</i>		2		4		1	1	2	4	
<i>Metopolophium dirhodum</i>	1	19	279	567	194	144	439	1330	4519	174
<i>Metopolophium festucae</i>	2	6	48	146	97	43	106	918	319	38
<i>Myzus ascalonicus</i>	4	2	8	13	28	11	26	22	60	10
<i>Myzus certus</i>	1	5	10	3	2	17	23	31	173	12
<i>Myzus ornatus</i>		2	7	3		2		6	13	
<i>Myzus persicae</i>		9	24	4	67	4	20	37	647	29
<i>Nasonovia ribis nigri</i>	1	1	6	1	17	2	1	2	12	1
<i>Pemphigus</i> spp.				2	10	1	1	4		3
<i>Pentatrichopus fragaefolii</i>	1	98	1		1		1	1	4	
<i>Phorodon humuli</i>		8	6		28	1			39	2
<i>Phyllaphis fagi</i>	9	155	107	69	4	8	29	11		1
<i>Rhopalosiphum insertum</i>		1	1	8	12			47	2	49
<i>Rhopalosiphum maidis</i>	18	16	23	26	4	35	80	7	16	
<i>Rhopalosiphum padi</i>	3	34	122	407	2201	96	42	10025	1908	1954
<i>Sitobion avenae</i>	12	43	132	219	691	147	560	1621	2898	1518
<i>Sitobion fragariae</i>		2	12	32		5	11	105	103	15

ROTHAMSTED INSECT SURVEY

1(d)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1975
18 June to 15 July 1975

Broom's Barn	Hereford	Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
Species											
59	39	16	90	37	14	32	39	46	9	9	<i>Acyrtosiphon pisum</i>
10	17	6	2	3	9	6	13	2	12	7	<i>Aphis fabae</i> grp.
	22	16	29	50	45	35		17	14	67	<i>Aphis</i> spp.
12	16	4	18	9	28	10	1	13	17	9	<i>Amphorophora rubi</i>
11	7	13	29	11	14	7		14	3	7	<i>Aulacorthum solani</i>
944	269	466	1150	398	185	322	567	619	52	49	<i>Brachycaudus helichrysi</i>
46	373	102	1201	571	80	463	12	160	100	24	<i>Brevicoryne brassicae</i>
40	3	34	176	119	24	45	137	46	14	9	<i>Cavariella aegopodii</i>
1		1	5	1	4	1	1		3	4	<i>Cinara</i> spp.
10	26	1	11	10	13	4		3	10	14	<i>Drepanosiphum platanoidis</i>
17		1			7	1			1		<i>Dysaphis plantaginea</i>
	6	1				1			1	2	<i>Elatobium abietinum</i>
9	2	2	1	1	4	1	1	3			<i>Eriosoma ulmi</i>
10	5	4	23	34	15	10	12	3	16		<i>Hyalopterus pruni</i>
22	86	59	63	47	86	61	10	32	12	5	<i>Hyperomyzus lactucae</i>
18	112	54	82	76	196	70	15	43	43	17	<i>Macrosiphum euphorbiae</i>
	4					1	2			1	<i>Megoura viciae</i>
1712	233	281	551	271	186	169	31	159	26	14	<i>Metopolophium dirhodum</i>
26	24	30	16	12	12	9	3	10	10	1	<i>Metopolophium festucae</i>
14	23	17	14	3	13	10	2	4	2	1	<i>Myzus ascalonicus</i>
14	45	26	34	14	27	30		13	10	4	<i>Myzus certus</i>
		4	7	2	3	1	3	4		1	<i>Myzus ornatus</i>
74	141	237	97	62	142	141	32	40	19	4	<i>Myzus persicae</i>
1	5	13	11	10	10	11	9	7	7	5	<i>Nasonovia ribis nigri</i>
	1				2	2	1	1	1		<i>Pemphigus</i> spp.
	3			2	1				1		<i>Pentatrichopus fragaefolii</i>
26	134	30	106	89	108	73	8	448	19	1	<i>Phorodon humuli</i>
2	1			3	7	3				3	<i>Phyllaphis fagi</i>
15	23	6	20	11	24	2	21	10	28	256	<i>Rhopalosiphum insertum</i>
18	6	11	8	12	3	1	44	4	12	10	<i>Rhopalosiphum maidis</i>
1870	3007	675	2053	959	1021	1071	750	734	2014	1679	<i>Rhopalosiphum padi</i>
2151	2498	1058	2029	926	5247	2175	518	1493	1727	335	<i>Sitobion avenae</i>
67	67	59	135	95	66	104	16	54	66	24	<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1975, PART 2

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

Sites	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth
Species										
<i>Acyrtosiphon pisum</i>	31	27	10	11	41	1	25	2	20	1
<i>Aphis fabae</i> grp.	25	71	109	170	9	4	5	1	10	2
<i>Aphis</i> spp.	7	30	168	9	29	5	8	2	14	8
<i>Amphorophora rubi</i>		15			1					
<i>Aulacorthum solani</i>	4	12	2				3	3		
<i>Brachycaudus helichrysi</i>	14	54	60	10	58	16	597	20	98	2
<i>Brevicoryne brassicae</i>	3	21	19	5	34		4	11	42	2
<i>Cavariella aegopodii</i>	9	1	9	3	5	2	32	12	12	
<i>Cinara</i> spp.	2	2	3	1		5				1
<i>Drepanosiphum platanoidis</i>	4	4	14	10	2	16	12	325	78	14
<i>Dysaphis plantaginea</i>										
<i>Elatobium abietinum</i>	2									
<i>Eriosoma ulmi</i>						1	4			1
<i>Hyalopterus pruni</i>	10	386	41	17	518	8	14	14	38	
<i>Hyperomyzus lactucae</i>	4	4	23	2	8	10	42	2	30	1
<i>Macrosiphum euphorbiae</i>	82	142	91	17	12	26	121	26	226	
<i>Megoura viciae</i>	4					1	2	2		
<i>Metopolophium dirhodum</i>	83	320	998	269	107	650	1644	2	268	8
<i>Metopolophium festucae</i>	175	12	20	11	22	26	122		4	
<i>Myzus ascalonicus</i>			1		6		4			
<i>Myzus certus</i>	3	9	21	2	1	21	28	12	14	
<i>Myzus ornatus</i>		1	1			1		2		
<i>Myzus persicae</i>	23	154	541	68	153	167	115	14	186	3
<i>Nasonovia ribis nigri</i>	3	2	3	2	10				10	1
<i>Pemphigus</i> spp.	3	2	2	22	7	1		7		33
<i>Pentatrichopus fragaefolii</i>		18								
<i>Phorodon humuli</i>		3			4				2	
<i>Phyllaphis fagi</i>	1	48	3	1						
<i>Rhopalosiphum insertum</i>	6	81	181	152	2	31	21	7	6	1
<i>Rhopalosiphum maidis</i>	1	8	6			8	1	2		
<i>Rhopalosiphum padi</i>	1012	3125	4883	1320	875	601	534	172	338	132
<i>Sitobion avenae</i>	756	2312	3332	1275	772	541	3656	226	2922	129
<i>Sitobion fragariae</i>	7	4	61	30	2	12	31	20	30	6

ROTHAMSTED INSECT SURVEY

1(e)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1975
16 July to 12 August 1975

Broom's Barn	Hereford	Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
Species											
188		23	154	19		10	14	16		3	<i>Acyrtosiphon pisum</i>
263	12	494	142	10	2	14	13	33	1	7	<i>Aphis fabae</i> grp.
47	20	247	78	32	16	26	3	27	8	5	<i>Aphis</i> spp.
2			2					2			<i>Amphorophora rubi</i>
6							2			1	<i>Aulacorthum solani</i>
244	18	21	8	5		4	26	33	5	2	<i>Brachycaudus helichrysi</i>
186	22	285	110	39		224	7	100	15	38	<i>Brevicoryne brassicae</i>
37		7	14	6			22	12	2		<i>Cavariella aegopodii</i>
		1		2				4			<i>Cinara</i> spp.
4	38	4	16	1	13	2	1	12	8	32	<i>Drepanosiphum platanoidis</i>
							1				<i>Dysaphis plantaginea</i>
									1		<i>Elatobium abietinum</i>
											<i>Eriosoma ulmi</i>
96	10	24	72	70	6	4	10	14	5	1	<i>Hyalopterus pruni</i>
91		17	20	3		6	1	6			<i>Hyperomyzus lactucae</i>
43	2	25	18	2	1	4	23	6			<i>Macrosiphum euphorbiae</i>
2		1	14				1	2			<i>Megoura viciae</i>
3996	8	63	38	10	2	4	19	48	4	3	<i>Metopolophium dirhodum</i>
5							2	1			<i>Metopolophium festucae</i>
		1				2					<i>Myzus ascalonicus</i>
21		3				4	3	1			<i>Myzus certus</i>
4											<i>Myzus ornatus</i>
498	10	324	40	15		170	417	13	1		<i>Myzus persicae</i>
2		11	2				3	1	1	3	<i>Nasonovia ribis nigri</i>
2	4		2	3	1	4	2		2		<i>Pemphigus</i> spp.
											<i>Pentatrichopus fragaefolii</i>
5	2	3	12	8	1			35			<i>Phorodon humuli</i>
								4			<i>Phyllaphis fagi</i>
30	10	21	38	17	15	8	32	57	34	141	<i>Rhopalosiphum insertum</i>
		1	2	4			10	5	3	2	<i>Rhopalosiphum maidis</i>
3285	64	224	174	68	28	56	232	261	85	276	<i>Rhopalosiphum padi</i>
7469	120	399	484	142	76	210	134	345	91	120	<i>Sitobion avenae</i>
52	2	32	34	4	1	4	2	49	2	1	<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1975, PART 2

TABLE

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

Sites	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth
Species										
<i>Acyrtosiphon pisum</i>	28	8		1				4	2	1
<i>Aphis fabae</i> grp.	29	120	42	16	1	38	1	1		3
<i>Aphis</i> spp.	7	33	8	4	4	6		1	3	2
<i>Amphorophora rubi</i>										
<i>Aulacorthum solani</i>	2	2								
<i>Brachycaudus helichrysi</i>	18	6	6	4	1	1	8	1	1	4
<i>Brevicoryne brassicae</i>	1	9	2	1	13	1	1	3	5	
<i>Cavariella aegopodii</i>	3				2	1				
<i>Cinara</i> spp.	1						2			
<i>Drepanosiphum platanoidis</i>	5	3	10	1		6	26	162	12	3
<i>Dysaphis plantaginea</i>		1		1						
<i>Elatobium abietinum</i>										
<i>Eriosoma ulmi</i>										1
<i>Hyalopterus pruni</i>	1	1575	24	9	318	5	1	1	1	1
<i>Hyperomyzus lactucae</i>	1				1	1	2		1	
<i>Macrosiphum euphorbiae</i>	19	16	3	2		1	1			1
<i>Megoura viciae</i>										
<i>Metopolophium dirhodum</i>	22	2	11	1		2				2
<i>Metopolophium festucae</i>	105									
<i>Myzus ascalonicus</i>										
<i>Myzus certus</i>	1	1						1		1
<i>Myzus ornatus</i>	2	4								
<i>Myzus persicae</i>	47	113	12	2	4	2	1	4	1	1
<i>Nasonovia ribis nigri</i>	4		1						2	
<i>Pemphigus</i> spp.	6	9	18	26	10	10	5		12	47
<i>Pentatrichopus fragaefolii</i>	1	4								
<i>Phorodon humuli</i>										
<i>Phyllaphis fagi</i>		2								
<i>Rhopalosiphum insertum</i>	4	56	67	45	1	18	18	3	3	
<i>Rhopalosiphum maidis</i>			1	2	4	3	3	2	3	
<i>Rhopalosiphum padi</i>	977	1114	224	52	27	180	15	15	7	7
<i>Sitobion avenae</i>	242	261	297	7	5	159	49	15	23	14
<i>Sitobion fragariae</i>	4		3				1	1		

ROTHAMSTED INSECT SURVEY

1(f)

of aphids of economic, or other interest reported in the Weekly Bulletin 1975
13 August to 9 September 1975

Broom's Barn	Hereford	Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
											Species
2		7	4	10	2	3	22	5	7	1	<i>Acyrtosiphon pisum</i>
				11		11	32	6	1		<i>Aphis fabae</i> grp.
							10	25	7	1	<i>Aphis</i> spp.
											<i>Amphorophora rubi</i>
								1			<i>Aulacorthum solani</i>
2	1	1	2	4	1	4		60	6		<i>Brachycaudus helichrysi</i>
4	2		1	5	5	1	4	23	52	1	<i>Brevicoryne brassicae</i>
									1		<i>Cavariella aegopodii</i>
							1				<i>Cinara</i> spp.
1			9		6		1	5	17	16	<i>Drepanosiphum platanoidis</i>
						2			2		<i>Dysaphis plantaginea</i>
											<i>Elatobium abietinum</i>
											<i>Eriosoma ulmi</i>
4			14	42	7	3	310	51	31	2	<i>Hyalopterus pruni</i>
		1					1		1		<i>Hyperomyzus lactucae</i>
							27				<i>Macrosiphum euphorbiae</i>
							1				<i>Megoura viciae</i>
2							1				<i>Metopolophium dirhodum</i>
											<i>Metopolophium festucae</i>
											<i>Myzus ascalonicus</i>
				1	1						<i>Myzus certus</i>
											<i>Myzus ornatus</i>
	11			5	5		139	1			<i>Myzus persicae</i>
						1	2	7	9		<i>Nasonovia ribis nigri</i>
2	4	1	3	15	7	2	12		10	1	<i>Pemphigus</i> spp.
	8					4		6			<i>Pentatrichopus fragaefolii</i>
						1					<i>Phorodon humuli</i>
											<i>Phyllaphis fagi</i>
3	10	7	19	7	2	6	8	16	6	3	<i>Rhopalosiphum insertum</i>
	1	2	1		1	4	11	6			<i>Rhopalosiphum maidis</i>
10	5	9	13	16	4	3	132	24	28	23	<i>Rhopalosiphum padi</i>
15	32	6	15	6	9	6	14	57	32	8	<i>Sitobion avenae</i>
		2			1	1	1				<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1975, 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		
<i>Aphis fabae</i> grp.	2	1		1		6				
<i>Aphis</i> spp.	1	3			1	1	1		8	5
<i>Amphorophora rubi</i>										
<i>Aulacorthum solani</i>										
<i>Brachycaudus helichrysi</i>	14	11	9	2		3	6	4	2	2
<i>Brevicoryne brassicae</i>		1			4			1	24	
<i>Cavariella aegopodii</i>	1				1		1			
<i>Cinara</i> spp.		1				1				
<i>Drepanosiphum platanoidis</i>	4	29	21	4		36	25	31	49	6
<i>Dysaphis plantaginea</i>	1				2				1	3
<i>Elatobium abietinum</i>										
<i>Eriosoma ulmi</i>		4	1						1	1
<i>Hyalopterus pruni</i>		103			7		1			1
<i>Hyperomyzus lactucae</i>		1			3				1	
<i>Macrosiphum euphorbiae</i>										1
<i>Megoura viciae</i>										
<i>Metopolophium dirhodum</i>	1		1							
<i>Metopolophium festucae</i>										
<i>Myzus ascalonicus</i>										
<i>Myzus certus</i>					2					
<i>Myzus ornatus</i>			1							
<i>Myzus persicae</i> grp.	2	8	1	4	10	6	4	7	4	7
<i>Nasonovia ribis nigri</i>	5								2	
<i>Pemphigus</i> spp.	50	27	91	15	24	22		8	29	150
<i>Pentatrichopus fragaefolii</i>		1								
<i>Phorodon humuli</i>									1	
<i>Phyllaphis fagi</i>		1								
<i>Rhopalosiphum insertum</i>	36	86	99	102	7	67	23	104	44	66
<i>Rhopalosiphum maidis</i>					5					
<i>Rhopalosiphum padi</i>	235	219	152	17	560	141	13	39	21	27
<i>Sitobion avenae</i>	1	8		1	1		1			2
<i>Sitobion fragariae</i>										1

ROTHAMSTED INSECT SURVEY

1(g)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1975
10 September to 7 October 1975

Broom's Barn	Hereford	Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	Wye, Kent	Starcross	Rosewarne	Sites
											Species
2	1	5	5	2	1		18	1	2		<i>Acyrtosiphon pisum</i>
2	1	5	3	4	1	7	57	8	6		<i>Aphis fabae</i> grp.
				10			21	4	2	1	<i>Aphis</i> spp.
											<i>Amphorophora rubi</i>
3	7	8	1	4	4	4	5	7	3	2	<i>Aulacorthum solani</i>
2	2	7	4	10	5	2	1	1	141	1	<i>Brachycaudus helichrysi</i>
1				1			1				<i>Brevicoryne brassicae</i>
						1					<i>Cavariella aegopodii</i>
4	1	2	4	4	2	1		1	38	6	<i>Cinara</i> spp.
3	1	3		1	16	6		1	14		<i>Drepanosiphum platanoidis</i>
											<i>Dysaphis plantaginea</i>
1	1						3				<i>Elatobium abietinum</i>
			8	28	4	1	63	5	9		<i>Eriosoma ulmi</i>
	1		1	1			3	2	1		<i>Hyalopterus pruni</i>
							20	2			<i>Hyperomyzus lactucae</i>
	1								1		<i>Macrosiphum euphorbiae</i>
											<i>Megoura viciae</i>
							2				<i>Metopolophium dirhodum</i>
											<i>Metopolophium festucae</i>
											<i>Myzus ascalonicus</i>
					1	1		2			<i>Myzus certus</i>
1	19		4	20	4		170	17	29	4	<i>Myzus ornatus</i>
				2				1	1		<i>Myzus persicae</i> grp.
27	11	5	13	12	26	16	11	13	58	1	<i>Nasonovia ribis nigri</i>
											<i>Pemphigus</i> spp.
2	229	1	7	3	1	4	2	76			<i>Pentatrichopus fragaefolii</i>
											<i>Phorodon humuli</i>
6	30	7	4	7	4	13	188	81	61	12	<i>Phyllaphis fagi</i>
			4	4							<i>Rhopalosiphum insertum</i>
10	7	9	58	27	39	36	294	151	72	22	<i>Rhopalosiphum maidis</i>
2			1				4	5	1	1	<i>Rhopalosiphum padi</i>
	1	1									<i>Sitobion avenae</i>
											<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1975, PART 2

TABLE

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

Species	Sites									
	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth
<i>Acyrtosiphon pisum</i>										1
<i>Aphis fabae</i> grp.							1		3	
<i>Aphis</i> spp.		2					1	2	10	1
<i>Amphorophora rubi</i>										
<i>Aulacorthum solani</i>										
<i>Brachycaudus helichrysi</i>	7	7	4	3		4	8	5	8	4
<i>Brevicoryne brassicae</i>									46	
<i>Cavariella aegopodii</i>	5	1						1		
<i>Cinara</i> spp.										
<i>Drepanosiphum platanoidis</i>	5	43	33	14		35	18	45	102	20
<i>Dysaphis plantaginea</i>					1				1	11
<i>Elatobium abietinum</i>										
<i>Eriosoma ulmi</i>	3	17	3						2	
<i>Hyalopterus pruni</i>							1			
<i>Hyperomyzus lactucae</i>			1		1				2	1
<i>Macrosiphum euphorbiae</i>	2							1	1	
<i>Megoura viciae</i>										
<i>Metopolophium dirhodum</i>	1	1			1			2		
<i>Metopolophium festucae</i>										1
<i>Myzus ascalonicus</i>										4
<i>Myzus certus</i>										1
<i>Myzus ornatus</i>	1									1
<i>Myzus persicae</i> grp.	12	7		5		15	13	4	13	10
<i>Nasonovia ribis nigri</i>	3	1	1				2		2	
<i>Pemphigus</i> spp.	66	62	51	20	1	22	5	49	386	373
<i>Pentatrichopus fragaefolii</i>	2									
<i>Phorodon humuli</i>					1					
<i>Phyllaphis fagi</i>										
<i>Rhopalosiphum insertum</i>	44	217	109	201	4	123	158	422	597	369
<i>Rhopalosiphum maidis</i>		2	1			2				3
<i>Rhopalosiphum padi</i>	99	279	110	79	117	165	64	166	215	70
<i>Sitobion avenae</i>	1	2	1					3		3
<i>Sitobion fragariae</i>	2	3		1	1	2		3	1	8

ROTHAMSTED INSECT SURVEY

1(h)

economic, or other, interest reported in the Weekly Bulletin 1975
8 October to 4 November 1975

	Broom's Barn	Hereford	Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zealand	Wye, Kent	Starcross	Rosewarne	Sites	Species
				2				8	2				<i>Acyrtosiphon pisum</i>
13		1	1	2	10	1	4	101		3			<i>Aphis fabae</i> grp.
		1		14	13	3	12		24	4			<i>Aphis</i> spp.
				1	2			23	2				<i>Amphorophora rubi</i>
1	11	6	2			6	3	2		5	1		<i>Aulacorthum solani</i>
19	2	4	5			2	3			3			<i>Brachycaudus helichrysi</i>
2			2			3	1	11	2	2			<i>Brevicoryne brassicae</i>
1													<i>Cavariella aegopodii</i>
10	2	5	3	6	5	2	1	1		3	7		<i>Cinara</i> spp.
3	9	7	2	1	12	11	3	3	2	11			<i>Drepanosiphum platanoidis</i>
													<i>Dysaphis plantaginea</i>
15	8	4	5	4	5	5	5	5	5	1			<i>Elatobium abietinum</i>
1		1	10	3				9					<i>Eriosoma ulmi</i>
	1				1				1	1			<i>Hyalopterus pruni</i>
					2		1	4	3	1	1		<i>Hyperomyzus lactucae</i>
													<i>Macrosiphum euphorbiae</i>
								1	1				<i>Megoura viciae</i>
								1		1			<i>Metopolophium dirhodum</i>
								1					<i>Metopolophium festucae</i>
								1					<i>Myzus ascalonicus</i>
						2			2	1			<i>Myzus certus</i>
						2	2						<i>Myzus ornatus</i>
5	20	1	4	7	19	4	4	135	9	26			<i>Myzus persicae</i> grp.
4	1							6	3	2	2		<i>Nasonovia ribis nigri</i>
54	55	17	24	753	141	45	45	175	29	26	6		<i>Pemphigus</i> spp.
										1			<i>Pentatrichopus fragaefolii</i>
	18		1	1			2		57				<i>Phorodon humuli</i>
							1				1		<i>Phyllaphis fagi</i>
147	90	78	123	111	129	123	1236	448	120	46			<i>Rhopalosiphum insertum</i>
	1		1	1	1			2	16				<i>Rhopalosiphum maidis</i>
78	34	35	133	132	66	71	722	255	125	16			<i>Rhopalosiphum padi</i>
							7	3	2				<i>Sitobion avenae</i>
			3	2	1	2	9	4	4	1			<i>Sitobion fragariae</i>

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Pest species	Year	57 Ardross	58 Newton, Elgin	248 Banchory	29 Rannoch	60 Aros, Mull	47 Dundee	197 Dunblane	140 Loch Leven	261 East Craigs	262 Copenhagen	127 Kielder	39 Chester le Street	263 Middleton in Teesdale	265 Middlesborough	108 Egremont
<i>Gortyna micacea</i>	1973	96	81	64	39	—	11	9	—	—	15	18	9	—	—	9
Rosy Rustic	1974	54	80	46	26	106	8	13	122	33	20	15	10	4	1	18
<i>Bupalus piniaria</i>	1973	0	1	0	0	—	0	0	—	—	0	1	0	—	—	0
Bordered White	1974	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Panolis flammea</i>	1973	0	1	0	0	—	0	0	—	—	0	0	0	—	—	0
Pine Beauty	1974	0	6	1	0	3	0	0	0	0	0	0	0	0	0	0
<i>Cerapteryx graminis</i>	1973	16	20	43	14	—	1	8	—	—	5	10	1	—	—	0
Antler Moth	1974	25	14	55	64	173	6	17	58	6	20	27	0	146	1	4
<i>Erannis aurantiaria</i>	1973	26	8	145	3	—	0	1	—	—	0	46	1	—	—	0
Scarce Umber	1974	19	4	47	73	0	0	0	3	1	0	10	0	1	0	0
<i>Operophtera fagata</i>	1973	7	4	193	38	—	0	0	—	—	0	67	0	—	—	0
Northern Winter Moth	1974	22	10	329	81	0	1	0	6	0	0	1	0	13	0	0
<i>Apamea sordens</i>	1973	0	2	0	0	—	11	4	—	—	8	0	0	—	—	3
Rustic Shoulder-knot	1974	3	0	0	0	0	4	2	2	6	13	0	0	0	2	7
<i>Gortyna flavago</i>	1973	0	20	7	0	—	1	0	—	—	0	0	1	—	—	0
Frosted Orange	1974	0	25	1	0	0	2	0	0	0	1	0	0	0	0	0
<i>Mamestra brassicae</i>	1973	0	0	0	0	—	3	2	—	—	1	0	2	—	—	1
Cabbage Moth	1974	0	0	0	0	3	8	7	1	1	1	2	6	11	0	2
<i>Noctua pronuba</i>	1973	6	29	2	0	—	31	13	—	—	9	32	42	—	—	38
Large Yellow Underwing	1974	1	34	4	5	7	11	50	54	6	18	9	17	179	12	49
<i>Diataraxia oleracea</i>	1973	0	7	0	0	—	2	1	—	—	12	0	2	—	—	2
Bright-line Brown-eye	1974	2	4	0	0	18	5	5	1	12	17	0	3	4	1	5
<i>Euxoa nigricans</i>	1973	2	0	0	0	—	9	0	—	—	0	0	1	—	—	0
Garden Dart	1974	0	2	0	0	0	6	0	1	0	1	0	3	1	0	0
<i>Apamea secalis</i>	1973	13	52	4	0	—	24	41	—	—	29	20	14	—	—	33
Common Rustic	1974	32	84	3	0	28	25	31	23	75	43	16	47	22	6	42
<i>Melanchra persicariae</i>	1973	0	0	0	0	—	0	0	—	—	1	0	0	—	—	0
Dot Moth	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Operophtera brumata</i>	1973	45	5	47	10	—	2	3	—	—	4	51	0	—	—	0
Winter Moth	1974	67	9	100	50	11	1	2	4	0	10	2	1	2	0	0

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	187 Wykeham	72 Castletown, I.O.M.	45 Malham	68 Harrogate	288 Preston	268 Burnley	131 Spurn Head	157 Barnsley	85 Prestwich	269 East Didsbury	35 Bangor	257 Gleadthorpe	279 Matlock	223 Gibraltar Point	245 Hope Mountain	237 Rhostryfan	Year	Pest species
— 18	17 73	— 0	13 7	— 14	— 3	15 18	89 49	0 1	— 5	0 0	44 33	— 8	33 20	0 0	27 4	1973 1974	<i>Gortyna micacea</i> Rosy Rustic	
— 4	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 1974	<i>Bupalus piniaria</i> Bordered White	
— 1	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 1974	<i>Panolis flammea</i> Pine Beauty	
— 12	1 6	— 23	2 6	— 0	— 1	64 89	5 5	0 0	— 0	8 0	15 4	— 10	5 3	138 97	0 29	1973 1974	<i>Cerapteryx graminis</i> Antler Moth	
— 11	0 0	— 7	1 0	— 0	— 0	0 0	0 0	0 0	— 0	0 0	0 0	— 0	0 0	0 0	0 1	1973 1974	<i>Erannis aurantiaria</i> Scarce Umber	
— 7	1 1	— 36	0 0	— 0	— 0	0 0	0 0	0 0	— 0	0 0	0 1	— 0	0 0	0 0	0 0	1973 1974	<i>Operophtera fagata</i> Northern Winter Moth	
— 0	10 3	— 3	0 0	— 0	— 3	11 12	7 1	7 0	— 2	0 0	0 0	— 6	8 4	1 0	1 0	1973 1974	<i>Apamea sordens</i> Rustic Shoulder-knot	
— 0	0 0	— 0	0 2	— 5	— 0	2 0	6 2	0 0	— 0	0 0	4 6	— 0	1 2	0 0	0 3	1973 1974	<i>Gortyna flavago</i> Frosted Orange	
— 0	0 0	— 2	0 1	— 0	— 1	0 4	6 0	4 13	— 5	2 3	0 1	— 3	1 0	0 0	4 9	1973 1974	<i>Mamestra brassicae</i> Cabbage Moth	
— 4	48 51	— 98	24 12	— 13	— 7	104 30	10 14	21 41	— 8	169 35	5 12	— 96	11 6	69 64	19 10	1973 1974	<i>Noctua pronuba</i> Large Yellow Underwing	
— 1	8 3	— 0	0 0	— 5	— 1	13 50	10 11	3 0	— 1	5 1	19 33	— 13	3 13	0 0	6 7	1973 1974	<i>Diataraxia oleracea</i> Bright-line Brown-eye	
— 0	0 0	— 0	0 0	— 0	— 0	0 0	0 0	0 0	— 0	1 0	0 0	— 0	1 0	0 0	0 0	1973 1974	<i>Euxoa nigricans</i> Garden Dart	
— 2	127 78	— 0	38 12	— 16	— 11	20 30	55 40	3 5	— 2	36 23	20 9	— 38	16 3	0 8	29 16	1973 1974	<i>Apamea secalis</i> Common Rustic	
— 0	0 0	— 0	0 0	— 0	— 2	0 0	0 3	0 2	— 0	0 6	0 0	— 6	0 0	0 0	0 0	1973 1974	<i>Melanchra persicariae</i> Dot Moth	
— 11	0 4	— 9	2 5	— 1	— 4	0 2	1 0	0 0	— 0	0 0	4 4	— 0	0 0	0 0	0 8	1973 1974	<i>Operophtera brumata</i> Winter Moth	

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Pest species	Year	189 Leek	280 Empingham	274 Wells next the Sea	244 Glyn Ceiriog	79 Shardlow	168 Sutton Bonington	201 Sutton Bonington	216 Terrington	207 Pallaskenry, Eire	128 Norwich	226 Staylittle	225 Mochdre, Newtown	109 Holme Fen	259 Santon Downham	126 Aberystwyth
<i>Gortyna micacea</i>	1973	12	—	—	1	40	5	3	16	14	—	6	16	—	—	27
Rosy Rustic	1974	11	5	0	0	29	6	5	30	23	0	1	20	4	11	8
<i>Bupalus piniaria</i>	1973	0	—	—	0	0	0	0	0	0	—	6	0	—	—	0
Bordered White	1974	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Panolis flammea</i>	1973	0	—	—	20	0	0	0	0	0	—	0	0	—	—	0
Pine Beauty	1974	0	0	0	0	0	0	0	0	0	0	0	0	—	—	0
<i>Cerapteryx graminis</i>	1973	222	—	—	12	2	1	0	0	0	—	67	2	—	—	3
Antler Moth	1974	43	0	1	13	3	1	0	0	1	0	53	4	1	8	10
<i>Erannis aurantiaria</i>	1973	7	—	—	0	3	0	0	0	0	—	0	33	—	—	0
Scarce Umber	1974	2	0	0	0	6	0	0	0	0	0	3	65	0	0	1
<i>Operophtera fagata</i>	1973	4	—	—	0	0	0	0	0	0	—	0	0	—	—	0
Northern Winter Moth	1974	24	0	0	0	0	0	0	0	0	0	0	10	3	—	0
<i>Apamea sordens</i>	1973	1	—	—	0	0	4	2	3	0	—	0	0	—	—	0
Rustic Shoulder-knot	1974	0	2	2	0	0	0	0	3	0	0	0	0	0	0	0
<i>Gortyna flavago</i>	1973	5	—	—	5	4	0	2	1	0	—	2	9	—	—	0
Frosted Orange	1974	2	0	0	0	8	4	3	2	0	0	1	4	2	1	0
<i>Mamestra brassicae</i>	1973	0	—	—	0	2	1	1	5	0	—	0	0	—	—	0
Cabbage Moth	1974	0	7	2	0	5	1	3	1	1	0	0	0	1	1	2
<i>Noctua pronuba</i>	1973	235	—	—	41	12	19	14	0	14	—	4	13	—	—	32
Large Yellow Underwing	1974	43	96	3	19	64	55	15	1	35	0	7	15	11	10	15
<i>Diataraxia oleracea</i>	1973	12	—	—	0	2	22	3	0	1	—	2	0	—	—	9
Bright-line Brown-eye	1974	0	18	1	0	14	32	6	7	3	0	2	0	9	6	7
<i>Euxoa nigricans</i>	1973	0	—	—	1	2	0	0	1	0	—	0	0	—	—	0
Garden Dart	1974	0	5	1	3	0	0	1	0	0	0	0	0	4	0	0
<i>Apamea secalis</i>	1973	14	—	—	179	30	16	72	5	20	—	6	17	—	—	103
Common Rustic	1974	6	54	9	37	45	10	13	4	3	0	3	14	5	14	12
<i>Melanchra persicariae</i>	1973	0	—	—	0	3	4	2	2	0	—	0	0	—	—	6
Dot Moth	1974	0	14	1	0	0	2	0	3	0	0	0	0	2	1	3
<i>Operophtera brumata</i>	1973	9	—	—	0	4	1	2	0	4	—	3	6	—	—	5
Winter Moth	1974	14	6	2	0	10	5	5	1	0	0	7	11	1	—	1

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of moths of economic, or other, interest for 1973 and 1974

	94 Monks Wood	277 Monks Wood (Ewingswode)	255 Yspty Ystwyth	88 Broom's Barn	290 Sandy	212 Hereford	236 Cardigan	283 Shuttleworth	144 Bletchley Park	231 Brecon	232 Capel Isaac	251 Harpenden	1 Rothamsted (Barnfield)	34 Rothamsted (Allotments)	22 Rothamsted (Geescroft)	120 Wickham Bishops	Year	Pest species
52 35	— 5	59 41	10 2	— 0	— 95	55 47	— 22	— 144	1 3	17 11	18 31	— 0	2 3	102 4	8 4	— 7	1973 1974	<i>Gortyna micacea</i> Rosy Rustic
0 0	— 0	1 3	0 0	— 1	— 0	0 0	— 0	— 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	— 0	1973 1974	<i>Bupalus piniaria</i> Bordered White
0 0	— 0	0 0	0 0	— 1	— 0	0 0	— 0	— 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	— 1	1973 1974	<i>Panolis flammea</i> Pine Beauty
0 0	— 0	121 239	0 0	— 0	— 2	2 4	— 0	— 0	0 0	65 91	54 69	0 0	0 0	0 1	0 0	— 0	1973 1974	<i>Cerapteryx graminis</i> Antler Moth
0 1	— 51	2 1	0 0	— 3	— 0	0 0	— 0	— 0	0 0	1 1	1 0	2 0	0 0	0 0	31 55	— 3	1973 1974	<i>Erannis aurantiaria</i> Scarce Umber
0 1	— 43	2 0	0 0	— 0	— 0	0 0	— 0	— 0	0 0	0 1	0 0	0 0	0 0	0 0	0 0	— 0	1973 1974	<i>Operophtera fagata</i> Northern Winter Moth
0 2	— 2	0 0	2 0	— 0	— 0	0 0	— 0	— 0	3 1	0 0	0 0	0 0	1 1	1 1	0 0	— 3	1973 1974	<i>Apamea sordens</i> Rustic Shoulder-knot
0 1	— 1	3 1	0 0	— 0	— 2	4 2	— 2	— 2	1 0	0 0	2 17	0 0	0 0	0 0	0 0	— 1	1973 1974	<i>Gortyna flavago</i> Frosted Orange
0 0	— 0	3 1	0 0	— 0	— 0	0 1	— 1	— 7	2 0	0 0	0 0	4 9	0 0	1 0	3 0	— 2	1973 1974	<i>Mamestra brassicae</i> Cabbage Moth
9 5	— 19	93 73	1 1	— 2	— 22	52 28	— 32	— 15	15 12	51 45	31 53	21 16	10 6	20 0	115 143	— 2	1973 1974	<i>Noctua pronuba</i> Large Yellow Underwing
0 1	— 4	31 57	2 0	— 5	— 1	20 23	— 26	— 2	2 11	15 36	1 12	8 15	8 3	3 0	4 6	— 3	1973 1974	<i>Diataraxia oleracea</i> Bright-line Brown-eye
0 0	— 5	0 0	0 0	— 0	— 0	0 0	— 3	— 0	0 0	0 0	0 0	2 1	2 0	3 0	5 3	— 0	1973 1974	<i>Euxoa nigricans</i> Garden Dart
8 9	— 3	20 16	8 4	— 0	— 25	184 115	— 13	— 13	13 6	6 10	25 16	37 23	28 9	70 1	155 43	— 59	1973 1974	<i>Apamea secalis</i> Common Rustic
1 1	— 1	0 5	0 0	— 0	— 0	0 1	— 1	— 0	0 0	0 0	3 10	1 1	2 0	0 0	0 1	— 2	1973 1974	<i>Melanchra persicariae</i> Dot Moth
0 0	— 105	53 15	1 2	— 13	— 3	1 5	— 20	— 3	3 0	8 6	0 38	1 0	0 2	0 0	133 229	— 16	1973 1974	<i>Operophtera brumata</i> Winter Moth

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Pest species	Year	87 Writtle	17 Dale Fort	213 Gower	228 Cleppa Park	180 Hurley	16 Stratfield Mortimer	130 Bath	171 Windlesham	178 East Malling	215 Basingstoke	179 Pirbright	181 Wye	46 Alice Holt	92 Nettlecombe Court	285 Winchester
<i>Gortyna micacea</i>	1973	—	—	67	10	15	6	0	0	19	5	6	6	5	27	—
Rosy Rustic	1974	6	2	47	2	8	2	0	0	4	2	5	6	2	14	17
<i>Bupalus piniaria</i>	1973	—	—	0	1	0	0	0	1	0	0	0	0	1	0	—
Bordered White	1974	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0
<i>Panolis flammea</i>	1973	—	—	0	0	0	0	0	5	0	1	0	0	0	0	—
Pine Beauty	1974	0	0	0	0	0	1	0	2	0	4	0	0	0	0	0
<i>Cerapteryx graminis</i>	1973	—	—	1	2	0	0	0	0	0	0	15	1	6	2	—
Antler Moth	1974	0	1	2	0	0	0	0	1	0	0	9	0	7	0	1
<i>Erannis aurantiaria</i>	1973	—	—	0	0	0	8	0	43	0	3	0	0	4	1	—
Scarce Umber	1974	0	—	0	0	2	3	0	23	0	12	0	0	18	3	0
<i>Operophtera fagata</i>	1973	—	—	0	0	3	0	0	0	0	0	0	0	1	1	—
Northern Winter Moth	1974	0	—	0	0	2	0	0	2	0	0	0	0	1	1	0
<i>Apamea sordens</i>	1973	—	—	0	1	3	0	0	1	3	0	7	0	0	0	—
Rustic Shoulder-knot	1974	1	0	0	2	2	0	0	0	1	0	2	0	0	0	0
<i>Gortyna flavago</i>	1973	—	—	2	3	1	0	0	0	0	2	0	0	1	3	—
Frosted Orange	1974	0	1	4	1	1	0	0	0	0	0	0	2	0	1	0
<i>Mamestra brassicae</i>	1973	—	—	1	0	0	2	2	1	2	1	0	1	0	0	—
Cabbage Moth	1974	1	0	1	2	0	1	7	6	1	0	2	3	0	0	0
<i>Noctua pronuba</i>	1973	—	—	28	21	6	9	27	5	7	30	10	14	32	13	—
Large Yellow Underwing	1974	24	6	16	18	4	18	6	2	1	6	2	10	32	20	12
<i>Diataraxia oleracea</i>	1973	—	—	5	5	1	2	7	0	10	0	5	10	0	2	—
Bright-line Brown-eye	1974	36	19	12	7	1	1	16	0	6	0	5	13	0	4	1
<i>Euxoa nigricans</i>	1973	—	—	0	0	0	0	0	3	0	0	0	0	0	0	—
Garden Dart	1974	10	0	0	0	0	0	0	1	72	0	0	1	0	0	4
<i>Apamea secalis</i>	1973	—	—	34	50	30	23	36	9	21	32	13	26	18	34	—
Common Rustic	1974	98	6	17	47	7	11	34	4	14	38	18	10	7	10	18
<i>Melanchra persicariae</i>	1973	—	—	0	0	0	0	0	0	0	2	2	0	1	0	—
Dot Moth	1974	1	1	1	2	0	2	4	0	0	0	1	2	0	0	1
<i>Operophtera brumata</i>	1973	—	—	16	0	4	177	0	43	9	1	0	12	10	15	—
Winter Moth	1974	22	—	3	0	11	209	1	21	2	4	3	38	45	8	6

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of moths of economic, or other, interest for 1973 and 1974

	219 Haslemere	275 Bedgebury	186 Great Torrington	256 Lydd	104 Wellington	220 Brighton (Patcham)	70 Kingwood	284 Salway Ash	163 Arne	149 Starcross	266 Yarner Wood	211 Torpoint	67 Slapton Ley	114 Rosewarne	252 Guernsey	146 Jersey	Year	Pest species
	7	—	67	—	0	1	1	—	1	10	—	5	29	5	4	4	1973	<i>Gortyna micacea</i>
	9	1	36	0	0	0	0	18	0	3	6	5	13	7	1	9	1974	Rosy Rustic
	0	—	0	—	0	0	0	—	11	0	—	0	0	0	0	0	1973	<i>Bupalus piniaria</i>
	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	1974	Bordered White
	0	—	1	—	0	0	0	—	2	0	—	0	0	0	0	0	1973	<i>Panolis flammea</i>
	0	45	0	0	0	0	0	0	7	0	3	0	0	0	0	0	1974	Pine Beauty
	1	—	0	—	0	0	0	—	1	0	—	0	0	0	0	0	1973	<i>Cerapteryx graminis</i>
	0	0	0	17	0	0	0	0	1	0	1	0	0	0	0	0	1974	Antler Moth
	6	—	0	—	0	0	0	—	3	0	—	0	0	0	1	0	1973	<i>Erannis aurtiaria</i>
	4	10	0	0	0	0	0	0	4	—	18	0	0	0	0	0	1974	Scarce Umber
	0	—	0	—	0	0	0	—	0	0	—	0	0	0	0	0	1973	<i>Operophtera fagata</i>
	1	2	3	0	0	0	0	0	10	—	0	0	0	0	0	0	1974	Northern Winter Moth
	1	—	0	—	0	3	0	—	0	0	—	0	0	0	0	0	1973	<i>Apamea sordens</i>
	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1974	Rustic Shoulder-knot
	0	—	5	—	0	0	0	—	0	0	—	0	1	0	0	0	1973	<i>Gortyna flavago</i>
	0	0	2	0	0	0	1	7	0	1	4	0	1	0	0	0	1974	Frosted Orange
	9	—	1	—	0	1	0	—	0	0	—	12	6	1	22	20	1973	<i>Mamestra brassicae</i>
	8	0	3	18	0	4	1	22	1	3	0	7	5	3	5	8	1974	Cabbage Moth
	42	—	33	—	10	15	12	—	30	3	—	13	21	13	5	1	1973	<i>Noctua pronuba</i>
	23	16	28	18	11	7	8	40	1	8	44	4	11	7	5	2	1974	Large Yellow Underwing
	16	—	10	—	1	16	6	—	6	0	—	7	21	17	28	5	1973	<i>Diataraxia oleracea</i>
	28	2	12	0	1	26	9	17	2	1	62	8	29	15	32	8	1974	Bright-line Brown-eye
	3	—	0	—	0	1	0	—	0	0	—	0	0	1	0	0	1973	<i>Euxoa nigricans</i>
	0	0	0	6	0	3	0	0	0	0	0	0	1	2	0	0	1974	Garden Dart
	28	—	111	—	5	52	5	—	16	11	—	27	68	49	26	10	1973	<i>Apamea secalis</i>
	10	6	83	0	5	12	8	88	7	11	53	23	83	15	14	1	1974	Common Rustic
	7	—	13	—	0	0	0	—	0	0	—	0	14	0	0	0	1973	<i>Melanchra persicariae</i>
	4	1	14	11	0	0	0	3	0	1	3	0	13	2	0	1	1974	Dot Moth
	8	—	8	—	0	1	5	—	34	5	—	14	5	1	0	0	1973	<i>Operophtera brumata</i>
	10	23	4	0	0	0	4	8	9	—	38	4	0	0	0	1	1974	Winter Moth

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TABLE
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Pest species	Year	57 Ardross	58 Newton, Elgin	248 Banchory	29 Rannoch	60 Aros, Mull	47 Dundee	197 Dunblane	140 Loch Leven	261 East Craigs	262 Copenhagen	127 Kielder	39 Chester le Street	263 Middleton in Teesdale	265 Middlesborough	108 Foremont
<i>Abraxas grossulariata</i>	1973	0	0	0	0	—	0	12	—	—	2	0	0	—	—	—
Magpie Moth	1974	0	0	0	0	5	0	5	0	0	3	0	6	0	51	1
<i>Agrotis segetum</i>	1973	0	1	0	0	—	8	0	—	—	21	0	0	—	—	—
Turnip Moth	1974	0	1	0	0	0	6	1	0	3	96	0	0	0	0	—
<i>Erannis defoliaria</i>	1973	4	2	10	5	—	2	1	—	—	1	6	0	—	—	—
Mottled Umber	1974	10	3	40	2	0	0	1	1	0	0	0	0	3	0	—
<i>Phlogophora meticulosa</i>	1973	1	0	0	0	—	0	0	—	—	0	0	0	—	—	—
Angle Shades	1974	0	0	0	0	0	0	0	0	0	0	0	0	1	0	—
<i>Alsophila aescularia</i>	1973	12	1	0	0	—	0	2	—	—	0	0	0	—	—	—
March Moth	1974	17	16	25	0	3	2	0	0	0	1	0	0	4	0	—
<i>Hepialus humuli</i>	1973	1	0	2	3	—	1	1	—	—	0	0	2	—	—	—
Ghost Swift	1974	0	0	1	1	2	0	0	1	0	2	0	0	2	0	—
<i>Hepialus lupulina</i>	1973	0	0	0	19	—	0	0	—	—	2	4	0	—	—	—
Common Swift	1974	0	0	0	2	0	0	0	0	0	5	0	1	0	0	—
<i>Agrotis ipsilon</i>	1973	0	0	0	0	—	0	1	—	—	0	0	0	—	—	—
Dark Sword Grass	1974	1	0	0	0	0	0	0	0	0	0	0	0	0	0	—
<i>Euproctis chrysorrhoea</i>	1973	0	0	0	0	—	0	0	—	—	0	0	0	—	—	—
Brown-tail	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
<i>Agrotis exclamationis</i>	1973	0	25	0	0	—	11	3	—	—	30	0	11	—	—	10
Heart and Dart	1974	0	13	0	0	0	9	10	4	42	295	2	12	4	12	30
<i>Plusia gama</i>	1973	2	1	0	2	—	5	7	—	—	19	11	65	—	—	—
Silver Y	1974	0	0	0	0	0	3	2	1	1	7	0	12	5	0	—
<i>Laphygma exigua</i>	1973	0	0	0	0	—	0	0	—	—	0	0	0	—	—	—
Small Mottled Willow	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
<i>Nycterosea obstipata</i>	1973	0	0	0	0	—	0	0	—	—	0	0	0	—	—	—
The Gem	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
<i>Nomophila noctuella</i>	1973	0	0	0	0	—	0	—	—	—	0	0	0	—	—	—
Rush Veneer Pearl	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
<i>Plutella maculipennis</i>	1973	0	33	5	1	—	651	—	—	—	2263	13	1	—	—	—
Diamond-back Moth	1974	0	1	0	0	1	75	0	3	1	32	0	0	0	0	—
<i>Udea ferrugalis</i>	1973	0	0	0	0	—	0	—	—	—	0	1	0	—	—	—
Rusty Dot Pearl	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—

ROTHAMSTED INSECT SURVEY

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of moths of economic, or other, interest for 1973 and 1974

	187 Wykeham	72 Castletown, I.O.M.	45 Malham	68 Harrogate	288 Preston	268 Burnley	131 Spurn Head	157 Barnsley	85 Prestwich	269 East Didsbury	35 Bangor	257 Gleadthorpe	279 Matlock	223 Gibraltar Point	245 Hope Mountain	237 Rhostryfan	Year	Pest species
	31	6	—	20	—	—	2	4	1	—	1	1	—	0	36	49	1973	<i>Abraxas grossulariata</i>
	—	27	0	8	0	39	3	6	0	2	2	2	15	0	18	48	1974	Magpie Moth
	—	1	—	0	—	—	0	0	0	—	0	2	—	0	0	0	1973	<i>Agrotis segetum</i>
	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1974	Turnip Moth
	—	4	—	3	—	—	0	0	0	—	0	1	—	0	0	2	1973	<i>Erannis defoliaria</i>
	0	4	1	2	3	0	1	0	0	0	0	1	0	0	0	0	1974	Mottled Umber
	—	2	—	1	—	—	2	0	0	—	4	1	—	8	5	3	1973	<i>Phlogophora meticulosa</i>
	0	3	0	0	1	0	3	2	0	0	5	1	3	1	0	1	1974	Angle Shades
	—	0	—	0	—	—	0	0	0	—	1	1	—	6	0	11	1973	<i>Alsophila aescularia</i>
	3	0	0	2	—	0	0	4	0	0	0	6	3	3	4	9	1974	March Moth
	—	0	—	1	—	—	1	0	0	—	0	2	—	0	0	0	1973	<i>Hepialus humuli</i>
	0	0	1	0	2	4	0	0	0	0	0	0	0	0	0	2	1974	Ghost Swift
	—	0	—	13	—	—	87	22	2	—	0	8	—	21	13	2	1973	<i>Hepialus lupulina</i>
	1	0	0	8	0	6	69	33	0	0	0	1	8	9	0	0	1974	Common Swift
	—	2	—	0	—	—	1	0	0	—	0	0	—	0	0	0	1973	<i>Agrotis ipsilon</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Dark Sword Grass
	—	0	—	0	—	—	2	0	0	—	0	0	—	0	0	0	1973	<i>Euproctis chrysorrhoea</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Brown-tail
	—	37	—	8	—	—	29	18	23	—	25	11	—	36	10	77	1973	<i>Agrotis exclamationis</i>
	25	104	0	14	29	0	43	10	24	23	14	48	14	51	10	74	1974	Heart and Dart
	—	68	—	48	—	—	62	69	1	—	14	13	—	194	15	3	1973	<i>Plusia gamma</i>
	1	22	3	5	2	4	8	4	0	0	1	0	3	14	12	0	1974	Silver Y
	—	0	—	0	—	—	0	0	0	—	0	0	—	0	0	0	1973	<i>Laphygma exigua</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Small Mottled Willow
	—	1	—	0	—	—	1	0	0	—	0	0	—	0	0	0	1973	<i>Nycterosea obstipata</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	The Gem
	—	0	—	0	—	—	1	0	0	—	0	0	—	0	0	0	1973	<i>Nomophila noctuella</i>
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Rush Veneer Pearl
	—	0	—	0	—	—	164	151	594	—	11	228	—	0	31	1	1973	<i>Plutella maculipennis</i>
	0	0	0	0	2	0	2	28	2	0	1	6	1	0	10	1	1974	Diamond-back Moth
	—	0	—	0	—	—	1	0	0	—	0	0	—	0	0	0	1973	<i>Udea ferrugalis</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Rusty Dot Pearl

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Pest species	Year	189 Leek	280 Empingham	274 Wells next the Sea	244 Glyn Ceiriog	79 Shardlow	168 Sutton Bonington	201 Sutton Bonington	216 Terrington	207 Pallaskenry, Eire	128 Norwich	226 Staylittle	225 Mochdre, Newtown	109 Holme Fen	259 Santon Downham	126 Ahervestwith
<i>Abraxas grossulariata</i>	1973	0	—	—	19	10	1	2	1	29	—	1	171	—	—	1
Magpie Moth	1974	0	22	8	27	13	1	1	2	10	0	0	117	13	0	40
<i>Agrotis segetum</i>	1973	0	—	—	1	0	5	5	0	0	—	0	0	—	—	0
Turnip Moth	1974	0	4	0	0	0	0	1	1	0	0	0	0	3	0	0
<i>Erannis defoliaria</i>	1973	3	—	—	1	1	1	2	0	3	—	1	29	—	—	—
Mottled Umber	1974	2	0	0	19	0	0	1	0	0	0	1	74	2	—	0
<i>Phlogophora meticulosa</i>	1973	1	—	—	2	8	1	3	5	2	—	0	0	—	—	—
Angle Shades	1974	2	14	3	1	9	1	7	5	1	0	0	1	5	4	0
<i>Alsophila aescularia</i>	1973	0	—	—	4	4	5	3	2	1	—	1	3	—	—	0
March Moth	1974	11	4	5	17	9	5	5	6	0	0	1	7	4	28	—
<i>Hepialus humuli</i>	1973	8	—	—	0	2	0	0	1	1	—	0	7	—	—	—
Ghost Swift	1974	1	5	0	1	2	1	0	0	1	0	0	3	0	3	0
<i>Hepialus lupulina</i>	1973	7	—	—	56	37	30	11	13	0	—	0	0	—	—	—
Common Swift	1974	12	38	9	25	9	21	0	25	0	0	0	2	0	0	0
<i>Agrotis ipsilon</i>	1973	0	—	—	0	1	0	0	0	0	—	0	0	—	—	—
Dark Sword Grass	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Euproctis chrysorrhoea</i>	1973	0	—	—	0	0	0	0	0	0	—	0	0	—	—	0
Brown-tail	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agrotis exclamationis</i>	1973	48	—	—	35	33	131	48	10	10	—	5	13	—	—	108
Heart and Dart	1974	49	144	7	25	41	72	26	10	7	0	7	28	61	5	24
<i>Plusia gamma</i>	1973	15	—	—	34	18	52	112	21	2	—	8	63	—	—	63
Silver Y	1974	8	17	0	10	5	3	2	1	1	0	0	8	0	8	—
<i>Laphygma exigua</i>	1973	0	—	—	0	0	0	0	0	0	—	0	0	—	—	0
Small Mottled Willow	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nycterosea obstipata</i>	1973	0	—	—	0	0	0	0	0	0	—	0	0	—	—	0
The Gem	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nomophila noctuella</i>	1973	0	—	—	—	0	0	0	0	0	—	0	0	—	—	0
Rush Veneer Pearl	1974	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0
<i>Plutella maculipennis</i>	1973	0	—	—	—	108	93	306	287	0	—	6	1	—	—	34
Diamond-back Moth	1974	7	0	0	—	0	1	7	6	0	0	0	0	0	0	2
<i>Udea ferrugalis</i>	1973	0	—	—	—	0	0	0	0	0	—	0	1	—	—	—
Rusty Dot Pearl	1974	0	0	0	—	0	0	0	0	0	0	0	1	0	0	0

ROTHAMSTED INSECT SURVEY

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	94 Monks Wood	277 Monks Wood (Ewingswode)	255 Yspty Ystwyth	88 Broom's Barn	290 Sandy	212 Hereford	236 Cardigan	283 Shuttleworth	144 Bletchley Park	231 Brecon	232 Capel Isaac	251 Harpenden	1 Rothamsted (Barnfield)	34 Rothamsted (Allotments)	22 Rothamsted (Geescroft)	120 Wickham Bishops	Year	Pest species
	6	—	7	1	—	—	230	—	4	51	144	38	1	6	38	—	1973	<i>Abraxas grossulariata</i>
	3	89	12	4	1	37	162	2	5	40	172	28	2	2	72	83	1974	Magpie Moth
	0	—	1	0	—	—	0	—	2	0	0	3	0	1	7	—	1973	<i>Agrotis segetum</i>
	0	3	0	0	0	0	0	7	1	0	0	0	1	0	3	5	1974	Turnip Moth
	0	—	4	0	—	—	0	—	0	2	1	0	0	0	38	—	1973	<i>Erannis defoliaria</i>
	1	34	3	1	33	2	0	16	0	1	39	0	0	0	128	2	1974	Mottled Umber
	1	—	25	11	—	—	1	—	3	1	4	7	1	3	11	—	1973	<i>Phlogophora meticulosa</i>
	3	3	8	2	1	5	2	5	4	2	7	5	0	0	6	1	1974	Angle Shades
	1	—	10	3	—	—	0	—	0	3	35	3	0	0	48	—	1973	<i>Alsophila aescularia</i>
	1	102	5	2	17	12	10	4	1	1	37	1	5	1	40	45	1974	March Moth
	2	—	12	1	—	—	2	—	0	0	0	0	1	1	3	—	1973	<i>Hepialus humuli</i>
	0	2	4	0	0	3	1	0	0	1	2	0	2	0	1	0	1974	Ghost Swift
	3	—	1	7	—	—	2	—	6	0	0	4	25	4	20	—	1973	<i>Hepialus lupulina</i>
	3	10	0	3	2	0	0	9	2	0	0	3	7	0	5	78	1974	Common Swift
	0	—	2	0	—	—	2	—	0	1	0	0	0	0	0	—	1973	<i>Agrotis ipsilon</i>
	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Dark Sword Grass
	0	—	0	0	—	—	0	—	0	0	0	0	0	0	0	—	1973	<i>Euproctis chrysorrhoea</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1974	Brown-tail
	114	—	71	21	—	—	274	—	41	269	40	20	5	34	27	—	1973	<i>Agrotis exclamationis</i>
	60	16	134	9	16	95	438	51	50	92	82	19	27	5	31	17	1974	Heart and Dart
	45	—	398	25	—	—	48	—	35	11	19	150	23	14	42	—	1973	<i>Plusia gamma</i>
	2	2	16	1	1	0	4	2	3	1	0	14	2	0	6	8	1974	Silver Y
	0	—	0	0	—	—	0	—	0	0	0	0	0	0	0	—	1973	<i>Laphygma exigua</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Small Mottled Willow
	0	—	0	0	—	—	0	—	0	0	0	0	0	0	0	—	1973	<i>Nycterosea obstipata</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	The Gem
	0	—	0	0	—	—	0	—	0	0	0	0	0	0	0	—	1973	<i>Nomophila noctuella</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Rush Veneer Pearl
	0	—	86	227	—	—	72	—	9	77	1	156	840	1648	11	—	1973	<i>Plutella maculipennis</i>
	0	0	5	13	9	5	4	2	0	0	0	0	100	23	1	6	1974	Diamond-back Moth
	0	—	4	0	—	—	2	—	0	0	1	0	0	2	0	—	1973	<i>Udea ferrugalis</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Rusty Dot Pearl

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Pest species	Year	87 Writtle	17 Dale Fort	213 Gower	228 Cleppa Park	180 Hurley	16 Stratfield Mortimer	130 Bath	171 Windlesham	178 East Malling	215 Basingstoke	179 Pirbright	181 Wye	46 Alice Holt	92 Nettlecombe Court	285 Winchester
<i>Abraxas grossulariata</i>	1973	—	—	22	2	13	21	0	0	4	0	0	18	0	10	—
Magpie Moth	1974	9	168	15	4	9	41	3	0	1	0	0	16	2	5	2
<i>Agrotis segetum</i>	1973	—	—	0	0	0	0	0	0	0	0	0	1	0	0	—
Turnip Moth	1974	11	0	1	0	0	1	0	0	1	0	0	1	0	0	—
<i>Erannis defoliaria</i>	1973	—	—	38	1	9	23	2	49	0	5	0	5	21	8	—
Mottled Umber	1974	2	—	13	0	5	24	0	61	0	12	3	4	51	25	—
<i>Phlogophora meticulosa</i>	1973	—	—	0	0	2	0	1	0	1	4	0	8	1	12	—
Angle Shades	1974	15	3	1	1	2	3	0	1	1	2	1	5	2	5	—
<i>Alsophila aescularia</i>	1973	—	—	12	2	11	1	1	9	1	4	4	23	19	10	—
March Moth	1974	0	5	18	2	35	22	0	16	6	1	7	28	23	19	—
<i>Hepialus humuli</i>	1973	—	—	0	3	0	1	0	0	1	1	1	0	0	0	—
Ghost Swift	1974	0	0	3	0	0	0	0	0	2	0	1	0	0	0	—
<i>Hepialus lupulina</i>	1973	—	—	6	0	55	4	0	4	7	0	3	73	2	1	—
Common Swift	1974	8	0	0	0	32	6	0	1	3	0	2	56	6	0	1
<i>Agrotis ipsilon</i>	1973	—	—	0	0	0	0	0	0	0	0	0	2	0	1	—
Dark Sword Grass	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	2	—
<i>Euproctis chrysorrhoea</i>	1973	—	—	0	0	0	0	0	0	0	0	0	0	0	0	—
Brown-tail	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
<i>Agrotis exclamationis</i>	1973	—	—	39	95	49	30	22	8	21	15	52	97	32	34	—
Heart and Dart	1974	96	23	63	64	23	40	36	21	14	24	21	135	54	35	3
<i>Plusia gamma</i>	1973	—	—	137	3	9	15	6	24	5	81	15	44	39	134	—
Silver Y	1974	43	3	10	1	1	0	1	0	1	5	0	16	7	20	1
<i>Laphygma exigua</i>	1973	—	—	0	0	0	0	0	0	0	0	0	0	0	0	—
Small Mottled Willow	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
<i>Nycterosea obstipata</i>	1973	—	—	0	2	0	0	0	0	0	0	0	0	0	0	—
The Gem	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
<i>Nomophila noctuella</i>	1973	—	—	0	0	0	0	0	0	0	0	—	0	1	0	—
Rush Veneer Pearl	1974	0	1	0	0	0	0	0	0	0	0	—	0	1	0	—
<i>Plutella maculipennis</i>	1973	—	—	0	244	240	0	0	14	2527	0	—	119	142	15	—
Diamond-back Moth	1974	0	2	0	7	10	0	0	1	82	0	—	5	15	0	5
<i>Udea ferrugalis</i>	1973	—	—	0	0	1	2	0	0	0	0	—	0	1	1	—
Rusty Dot Pearl	1974	0	1	0	0	2	0	0	0	0	0	—	0	0	0	—

ROTHAMSTED INSECT SURVEY

(f)

of moths of economic, or other, interest for 1973 and 1974

	219 Haslemere	275 Bedgebury	186 Great Torrington	256 Lydd	104 Wellington	220 Brighton (Patcham)	78 Ringwood	284 Salway Ash	163 Arne	149 Starcross	266 Yarner Wood	211 Torpoint	67 Slapton Ley	114 Rosewarne	252 Guernsey	146 Jersey	Year	Past species
	0	—	135	—	16	84	2	—	1	7	—	60	27	16	34	11	1973	<i>Abraxas grossulariata</i>
	1	0	135	0	11	29	2	45	5	8	8	28	15	1	32	3	1974	Magpie Moth
	1	—	0	—	0	1	0	—	0	0	—	0	0	10	1	6	1973	<i>Agrotis segetum</i>
	1	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	1974	Turnip Moth
	4	—	0	—	0	0	1	—	13	0	—	0	0	0	0	0	1973	<i>Erannis defoliaria</i>
	7	34	0	0	0	0	10	1	3	—	47	0	0	0	0	2	1974	Mottled Umber
	4	—	4	—	0	0	3	—	0	1	—	4	1	1	12	5	1973	<i>Phlogophora meticulosa</i>
	1	5	3	4	0	1	2	9	0	1	5	0	2	0	1	1	1974	Angle Shades
	7	—	6	—	0	0	1	—	0	0	—	6	4	0	0	1	1973	<i>Alsophila aescularia</i>
	12	81	6	0	0	0	0	3	2	0	25	4	3	1	0	7	1974	March Moth
	0	—	0	—	0	0	1	—	0	1	—	0	0	3	0	0	1973	<i>Hepialus humuli</i>
	0	0	1	0	0	1	1	1	0	2	0	1	4	3	0	0	1974	Ghost Swift
	0	—	0	—	0	29	0	—	0	0	—	3	0	1	1	0	1973	<i>Hepialus lupulina</i>
	1	2	2	23	0	7	1	0	0	1	2	4	0	1	1	1	1974	Common Swift
	0	—	0	—	0	1	0	—	0	0	—	2	0	0	5	0	1973	<i>Agrotis ipsilon</i>
	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1974	Dark Sword Grass
	0	—	0	—	0	0	0	—	0	0	—	0	0	0	0	0	1973	<i>Euproctis chrysorrhoea</i>
	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	1974	Brown-tail
	40	—	316	—	52	8	19	—	5	47	—	10	197	112	25	13	1973	<i>Agrotis exclamationis</i>
	42	32	347	115	32	32	23	213	7	29	35	13	516	137	58	84	1974	Heart and Dart
	49	—	90	—	41	15	4	—	67	186	—	277	71	132	17	55	1973	<i>Plusia gamma</i>
	5	8	3	43	18	6	1	7	1	15	11	19	20	15	1	16	1974	Silver Y
	0	—	0	—	0	0	0	—	0	0	—	0	0	0	0	0	1973	<i>Laphygma exigua</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	Small Mottled Willow
	0	—	2	—	0	0	1	—	1	1	—	0	0	0	1	4	1973	<i>Nycterosea obstipata</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1974	The Gem
	1	—	0	—	0	0	0	—	0	0	—	0	0	0	0	0	1973	<i>Nomophila noctuella</i>
	0	0	1	0	0	0	0	2	0	0	0	0	3	0	0	0	1974	Rush Veneer Pearl
	47	—	87	—	0	179	0	—	101	578	—	0	126	0	181	566	1973	<i>Plutella maculipennis</i>
	1	1	0	0	0	5	0	82	12	61	0	0	6	382	56	100	1974	Diamond-back Moth
	1	—	0	—	0	1	0	—	0	0	—	0	1	3	1	4	1973	<i>Udea ferrugalis</i>
	0	0	1	0	0	0	0	0	1	0	0	0	1	0	4	0	1974	Rusty Dot Pearl

ROTHAMSTED REPORT FOR 1975, PART 2

TABLE 3(a)

The Rothamsted Insect Survey—Suction Traps: four-weekly totals of Chrysopa carnea in 1973–74–75

Week No.	Elgin	Dundee	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Broom's Barn	Hereford	Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Wye	Starcross	Rosewarne
1973																		
1–16			—				—	1			2	—	6	1	3	1		
17–20			—	1			—					—			4	1		
21–24	1		—	13			—	1			12	—	3		3	1	4	
25–28			—	36			—	2			4	—	5		6	5	3	3
29–32			—	530		1	—	6	6		177	—	61		224	55	19	
33–36	2	1	—	791	4	1	—	115	31		389	—	422	22	796	166	92	92
37–40	5	2	—	170		57	—	44	35	1	160	—	292	65	322	520	43	20
41–44	8	8	—	15		1	—	77	20	1	8	—	24	17	175	117	108	30
45–52			—				—					—				1	3	2
1974																		
1–16			—	3				1			2	—	3		5	2	1	3
17–20			—	1				1			1	—	3		7	1		
21–24			—	5								—	2		9		2	
25–28		1	—	10						6		—	8		1		3	
29–32			—	15				3		1	3	—	76	1	22	2	8	
33–36			—	186			1	24		4	18	—	59	12	83	30	10	2
37–40			—	64		6		29	1	2	18	—	26	3	30	43	4	4
41–44	10	4	—	2		3	1	13	3	8		—	22	13	26	13	153	2
45–52	1		—									—					1	
1975																		
1–16		1		2							2				2	1		
17–20				6											9			
21–24			3	8				1		1	1	3	1		2			
25–28				27								2			2	1	2	1
29–32	3		3	2137	1	2	5	23	6	59	403	112	132	11	335	46	34	5
33–36	2	5	6	545	4	5	14	26	41	93	485	71	134	47	1027	107	30	5
37–40	15	4	1	127		19	3	62	95	46	256	102	116	55	514	115	40	
41–44	4	5		3	3			23	9	99	13	52	39	29	307	58	19	
45–52											1		1	1	3	1	6	1

ROTHAMSTED INSECT SURVEY

TABLE 3(b)

The Rothamsted Insect Survey—Suction Traps: annual total catches of Neuroptera in 1973–74–75

	Year	Elgin	Dundee	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Broom's Barn	Hereford	Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Wye	Starcross	Rosewarne
Hemerobiidae																			
<i>H. humulinus</i>	1973			—				—	1	1		3	—	1	2	8	1	3	
	74			—								—	1	1		5	1		1
	75			—	2	1		—	6	1		—	—	1		—	1		
<i>H. lutescens</i>	1973	3	1	—	1	1		—	5		4	8	—	4	4	52	1	9	2
	74			—		1		2				—	—	—	2	—	1	1	
	75		1	—				6			1		—	1	1	11	1	1	
<i>H. micans</i>	1973			—	1			—				3	—	1	1	3		2	
	74		1	—		1						—	—	1	1				
	75	1	1	—								—	—	—	—	—			
<i>H. nitidulus</i>	1973	2		—	1			—				1	—	1	1	2	1		
	74			—					5			—	—		2	3			
	75		1	—				1	1	1		—	—	1	1	1			
<i>H. stigma</i>	1973	39	9	—		7	3	—	1		1	4	—	—	1	17	1	2	2
	74	7		—		2			2		1	—	—	—	3	4	2	1	2
	75	29	7	2	2					1		—	—	1	1	2	1	2	2
<i>K. nervosa</i>	1973	1	2	—	2	2	1	—	2		2	8	—	2	1	15	2	1	
	74	1		—		2	1		12			1	—	—	—				
	75		3	—	1			1				—	—	—		1			
<i>K. subnebulosa</i>	1973	2	8	—	14	2	2	—	31		19	33	—	37	8	67	7	5	5
	74			—		1		2	22		1	—	—	40	4	8	5	11	3
	75		13	7	2			12	8		12	2	29	25	7	15	4	5	3
<i>N. pagrus</i>	1973			—		1		—	1			—	—	—		2			
	74			—								—	—	—					
	75			—								—	—	—					
<i>M. variegatus</i>	1973		2	—				—				—	—	2	1	1	1		
	74	1	1	—				3	4		1	—	—	1	1	1			2
	75	2		1			1	4	4		1	1	—	2	2	1			
Chrysopidae																			
<i>C. albolineata</i>	1973	1		—				—	3			—	—	2	4	13		1	
	74	1		—	2				1			—	—	—		3		1	
	75			—								—	—	—					
<i>C. cilata</i>	1973	1		—				—				—	—	1		1			
	74			—								—	—	—		1			
	75			—								—	—	—					
<i>C. flava</i>	1973	6		—				—	5		1	—	—	1		7			
	74			—								1	—	—					
	75	3	2	—					1			1	—	—		7	1		
<i>C. flavifrons</i>	1973			—				—				—	—	—				1	
	74			—								—	—	—					1
	75			—							1	—	—	—					
<i>C. 7-punctata</i>	1973			—	2			—				—	—	—		1			
	74			—								—	—	1		2			
	75			—								—	—	—		1			
<i>C. ventralis</i>	1973			—				—				1	—	—		1			1
	74			—							1	—	—	—	1	1			
	75			—						1	1	—	—	—	1	1			

ROTHAMSTED REPORT FOR 1975, PART 2

Neuroptera in the Rothamsted Insect Survey, 1973–75

Three species recorded between 1970–72 have not been trapped again. These are *Kimminsia killingtoni* Morton, *Chrysopa phyllochroma* Wesmael, and *C. vittata* Wesmael. Five species have been added to the list of those trapped: *Hemerobius marginatus* Stephens taken once in 1973 at Rainham; *H. perelegans* Stephens, at Silwood in 1973 and 1975; *Kimminsia rava* (Withycombe), once at Silwood in 1973; *Psectra diptera* (Burmeister), macropterous form, once at Silwood in 1974; catches of *Chrysopa ventralis* Curtis, are shown in Table 3(b).

Three other species have been recorded one to three times only. These are *Hemerobius atrifrons* McLachlan, one at Elgin in 1973, confirming a previous record, and one at Newcastle also in 1973; *Symphorobius elegans* (Stephens), at Silwood in 1973 and 1974 and *S. pygmaeus* (Rambur), at Silwood in 1973 and 1975 and Rosewarne in 1975.

Chrysopa carnea Stephens continued to be the dominant species. Some patterns established in 1970–72 (Ann. Rept. for 1972, pt. 2, pp. 208–210) have been confirmed. The most productive trap is Copenhagen, and Silwood, closely followed by Wye, produce the highest British catches. Elgin has continued to catch numbers as high as or higher than traps as far south as Preston. The phenology summarised in the 1972 report, in particular the dramatic drop in catches from week 45 onwards, has also been confirmed.

Among the Hemerobiidae, *Hemerobius lutescens* Fabricius, was relatively common at Silwood and was again found as far north as Elgin, in marked contrast to *H. humulinus* Linnaeus, which was again absent from the Scottish traps. In general, greatest numbers continued to be trapped in the south, *Hemerobius stigma* Stephens, which is commonest at Elgin, being again the conspicuous exception. Of interest is the large increase in the numbers of *Kimminsia subnebulosa* (Stephens), which was relatively common even in 1974, when numbers of most species were markedly lower than in either 1973 or 1975.

(J. Bowden)