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Rothamsted Experimental Station Report for 1977 Part 2

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Rothamsted Insect Survey - Ninth Annual Summary

L. R. Taylor and R. A. French

L. R. Taylor and R. A. French (1978) *Rothamsted Insect Survey - Ninth Annual Summary* ;
Rothamsted Experimental Station Report For 1977 Part 2, pp 79 - 112 - **DOI:**
<https://doi.org/10.23637/ERADOC-1-36544>

Rothamsted Insect Survey

Ninth Annual Summary

L. R. TAYLOR and R. A. FRENCH

Suction traps 1977

Daily samples were collected from 1 April to 4 November 1977 and the *Aphid Bulletins* were issued weekly from 29 April (*Bulletin* No. 1) to 4 November (*Bulletin* No. 28). The 33 aphid taxa listed in Table 1(a-h) and Table 3 are those in the *Aphid Bulletin*.

A new trap at North Farm, Washington, Pulborough, Sussex started on 14 April 1977, and an additional trap in Holland was operating this year at Nagele, Nr Emmeloord, N.E. Polder. The trap at Rainham discontinued in 1976, restarted on a new site, 1 mile from the old site on 4 March 1977. This trap continued to operate throughout the season but due to pressure of work the results did not appear on the *Bulletins* after 24 July. During 1977 a similar trap operated at the Department of Agriculture, Belfast, N. Ireland and appears in Table 3. A new site at Pathead, Dalkeith, Midlothian replaced the one at Musselburgh; this does not appear in Table 1. Traps at 4 ft (1.2 m) were operated at Dundee, East Craigs, Broom's Barn, Rothamsted Tower and North Farm; records for these do not appear in *Bulletins* nor in Table 1.

Catches from Zeeland and Nagele, Broom's Barn and Aberystwyth were identified by A. Van Harten of Wageningen, G. D. Heathcote of Broom's Barn and J. A'Brook of the Welsh Plant Breeding Station respectively. The catches from East Craigs and Pathhead were identified by Miss S. Cooper of Department of Agriculture and Fisheries Scotland, East Craigs, H. L. G. Stroyan of Ministry of Agriculture, Fisheries and Food, Plant Pathology Laboratory and V. F. Eastop of the British Museum (Natural History) confirmed difficult identifications.

The *Bulletin*, despatched each Friday, lists aphids caught between 5 and 12 days earlier, except for Zeeland, Nagele and Copenhagen where samples were from 12-19 days previously. This timing is dictated by the postal services.

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

Sample volumes were halved at Rainham and Silwood from 7 July to 25 August, at Writtle from 11 July to 25 August, at Broom's Barn from 28 July to 31 August, at Rothamsted Tower from 2 to 19 August, at Preston and Wye from 17 to 25 August, and Hereford from 17 to 30 August, at Shardlow from 25 to 30 August 1977. When numbers were high catches from most sites were sub-sampled in the laboratory. The weekly *Bulletins*, Table 1(a-h) and Table 3 are corrected to full volume samples.

In Tables 1 and 3 there are no missing values; a blank records a zero catch.

Light traps

Table 2(a-h) gives the annual catches during 1975 and 1976 of the same pest, or migratory, Lepidoptera as in previous years. One hundred and twenty-five sites completed the 364-day sample for 1976.

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.

Once again voluntary workers operated most traps and identified many of the insects; for their help we are most grateful.

ROTHAMSTED REPORT FOR 1977, 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	Broom's Barn	Hereford
Species												
<i>Acyrtosiphon pisum</i>												
<i>Aphis fabae</i> grp.												
<i>Aphis</i> spp.												
<i>Amphorophora rubi</i>												
<i>Aulacorthum solani</i>												
<i>Brachycaudus helichrysi</i>												
<i>Brevicoryne brassicae</i>												
<i>Cavariella aegopodii</i>												
<i>Cinara</i> spp.												
<i>Drepanosiphum platanoidis</i>												
<i>Dysaphis plantaginea</i>												
<i>Elatobium abietinum</i>												
<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>												
<i>Myzus ascalonicus</i>												
<i>Myzus certus</i>												
<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>												
<i>Sitobion avenae</i>										3		
<i>Sitobion fragariae</i>												
First aphid caught										April 4		

ROTHAMSTED INSECT SURVEY

1(a)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1977
26 March to 22 April 1977

Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	N.E. Polder	Wye, Kent	North Farm	Starcross	Rosewarne	Sites	Species
			1						1			<i>Acyrtosiphum 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> <i>Myzus ascalonicus</i> <i>Myzus certus</i> <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> <i>Sitobion avenae</i> <i>Sitobion fragariae</i>
			April 17						April 20			First aphid caught

ROTHAMSTED REPORT FOR 1977, 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	Broom's Barn	Hereford
Species												
<i>Acyrtosiphon pisum</i>												
<i>Aphis fabae</i> grp.												
<i>Aphis</i> spp.												
<i>Amphorophora rubi</i>												
<i>Aulacorthum solani</i>												
<i>Brachycaudus helichrysi</i>												
<i>Brevicoryne brassicae</i>												
<i>Cavariella aegopodii</i>												1
<i>Cinara</i> spp.												
<i>Drepanosiphum platanoidis</i>		1										
<i>Dysaphis plantaginea</i>												
<i>Elatobium abietinum</i>				3						13		
<i>Eriosoma ulmi</i>												
<i>Hyalopterus pruni</i>												
<i>Hyperomyzus lactucae</i>												
<i>Macrosiphum euphorbiae</i>												
<i>Megoura viciae</i>												
<i>Metopolophium dirhodum</i>										1		
<i>Metopolophium festucae</i>												
<i>Myzus ascalonicus</i>												
<i>Myzus certus</i>												
<i>Myzus ornatus</i>												
<i>Myzus persicae</i> grp.	1											
<i>Nasonovia ribis nigri</i>												
<i>Pemphigus</i> spp.												
<i>Pentatrichopus fragaefolii</i>												
<i>Phorodon humuli</i>												
<i>Phyllaphis fagi</i>												
<i>Rhopalosiphum insertum</i>					1							
<i>Rhopalosiphum maidis</i>						1			2			
<i>Rhopalosiphum padi</i>					4						1	1
<i>Sitobion avenae</i>												
<i>Sitobion fragariae</i>												
First aphid caught	April 25	May 5		May 18	May 7	May 5			May 18		May 10	April 30

ROTHAMSTED INSECT SURVEY

1(b)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1977
23 April to 20 May 1977

Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	N.E. Polder	Wye, Kent	North Farm	Starcross	Rosewarne	Sites
											Species
		1									<i>Acyrtosiphon pisum</i>
											<i>Aphis fabae</i> grp.
		3									<i>Aphis</i> spp.
											<i>Amphorophora rubi</i>
											<i>Aulacorthum solani</i>
											<i>Brachycaudus helichrysi</i>
									57		<i>Brevicoryne brassicae</i>
											<i>Cavariella aegopodii</i>
											<i>Cinara</i> spp.
	1			2				1	1		<i>Drepanosiphum platanoidis</i>
				7		7				5	<i>Dysaphis plantaginea</i>
											<i>Elatobium abietinum</i>
											<i>Eriosoma ulmi</i>
											<i>Hyalopterus pruni</i>
		4	1						1		<i>Hyperomyzus lactucae</i>
											<i>Macrosiphum euphorbiae</i>
		2		1		2					<i>Megoura viciae</i>
		9		1			1				<i>Metopolophium dirhodum</i>
1	2	1		1		12	1			2	<i>Metopolophium festucae</i>
				1							<i>Myzus ascalonicus</i>
									1	1	<i>Myzus certus</i>
		5	1						1		<i>Myzus ornatus</i>
	1	1	1								<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>
		2				1	1	1		1	<i>Rhopalosiphum maidis</i>
							1				<i>Rhopalosiphum padi</i>
									1		<i>Sitobion avenae</i>
											<i>Sitobion fragariae</i>
April 30	May 2	April 24		April 29		May 8	May 13	May 19		April 24	First aphid caught

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE

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

Sites	Elgin	Dundee	Edinburgh	Auchincruvie	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth	Broom's Barn	Hereford
Species												
<i>Acyrtosiphon pisum</i>			1		1				1		43	
<i>Aphis fabae</i> grp.												
<i>Aphis</i> spp.		1	2		4			1	2	3	1	1
<i>Amphorophora rubi</i>											3	
<i>Aulacorthum solani</i>		1								1		
<i>Brachycaudus helichrysi</i>			3	5		1		61	26	277	29	50
<i>Brevicoryne brassicae</i>												
<i>Cavariella aegopodii</i>	1	3	4	7	2		3	101	43	45	182	92
<i>Cinara</i> spp.											5	
<i>Drepanosiphum platanoidis</i>	73	85	75	12	2	27	82	162	8	4	9	34
<i>Dysaphis plantaginea</i>									1	1	1	1
<i>Elatobium abietinum</i>	10	17	6	30		13		27	1	464	3	6
<i>Eriosoma ulmi</i>					58					1		1
<i>Hyalopterus pruni</i>		3			1						4	1
<i>Hyperomyzus lactucae</i>		1	2						3	4	4	6
<i>Macrosiphum euphorbiae</i>		1		1				1	1	3	4	
<i>Megoura viciae</i>												
<i>Metopolophium dirhodum</i>										1	5	
<i>Metopolophium festucae</i>											3	
<i>Myzus ascalonicus</i>			1			3		1	2		8	
<i>Myzus certus</i>			1		1							
<i>Myzus ornatus</i>			1							4		
<i>Myzus persicae</i> grp.											1	
<i>Nasonovia ribis nigri</i>						1			2		1	
<i>Pemphigus</i> spp.			1								1	
<i>Pentatrichopus fragaefolii</i>												
<i>Phorodon humuli</i>								1	10	6	42	61
<i>Phyllaphis fagi</i>		1	5			1		1	1	1	4	1
<i>Rhopalosiphum insertum</i>		69	45	20	1	4	2	27	1	1	3	1
<i>Rhopalosiphum maidis</i>					3							
<i>Rhopalosiphum padi</i>		3	3	3	6	1	1	2	5	11	16	
<i>Sitobion avenae</i>		1			39	4	14	5	12	10	30	1
<i>Sitobion fragariae</i>				1	2			3	1	5	6	
First aphid caught			May 24				May 27	May 21				

ROTHAMSTED INSECT SURVEY

1(c)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1977
21 May to 17 June 1977

Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	N.E. Polder	Wye, Kent	North Farm	Starcross	Rosewarne	Sites
											Species
3		17	3	5	18	3	2	39	3		<i>Acyrtosiphon pisum</i>
	2	4	1	6	15	7	2	3	2	1	<i>Aphis fabae</i> grp.
1	4	18	7	11	5	4	2	2	8		<i>Aphis</i> spp.
		2					1		2		<i>Amphorophora rubi</i>
	1	27	3	2	2	2				1	<i>Aulacorthum solani</i>
51	122	393	102	172	263	305	28	74	35	26	<i>Brachycaudus helichrysi</i>
						1					<i>Brevicoryne brassicae</i>
74	314	884	74	412	896	933	45	58	83	17	<i>Cavariella aegopodii</i>
		9			24	77	2			1	<i>Cinara</i> spp.
4	6	7	4	21	13	2091	1	24	6	4	<i>Drepanosiphum platanoidis</i>
	2	3		1	36	14		6			<i>Dysaphis plantaginea</i>
2			4	68	1	154	5	8	15	7	<i>Elatobium abietinum</i>
1	2	9	3	1	38	30	1				<i>Eriosoma ulmi</i>
2	12	20		9	3	5	5	4	4		<i>Hyalopterus pruni</i>
2	16	4	4	3	5	6	1	3	1	4	<i>Hyperomyzus lactucae</i>
1	6	91	6	18	5	3	2	13	1	2	<i>Macrosiphum euphorbiae</i>
											<i>Megoura viciae</i>
1	2	19	1	8	54	16	1	4	4	6	<i>Metopolophium dirhodum</i>
	2	5		2	22	16	4	2		5	<i>Metopolophium festucae</i>
5	4	11	1	5	45	43	6	6	2	3	<i>Myzus ascalonicus</i>
	1	27			1	1			2		<i>Myzus certus</i>
1		1		1				1	2	1	<i>Myzus ornatus</i>
2	3	41	5	7	1	2	5	9	3		<i>Myzus persicae</i> grp.
	9	3	3	5	3	2	1				<i>Nasonovia ribis nigri</i>
				1	4						<i>Pemphigus</i> spp.
											<i>Pentatrichopus fragaefolii</i>
39	301	779	7	139	153	68	36	63	19		<i>Phorodon humuli</i>
1		1		6	1	4	3				<i>Phyllaphis fagi</i>
1	14	21	1	9	6	8	10	3	1	4	<i>Rhopalosiphum insertum</i>
		1		1		2		1	1	1	<i>Rhopalosiphum maidis</i>
6	9	54	3	8	43	39	13	5	7	1	<i>Rhopalosiphum padi</i>
25	15	102	24	82	168	108	100	41	39	23	<i>Sitobion avenae</i>
1	1	6		2	3		1	1	2	10	<i>Sitobion fragariae</i>

May
24

First aphid caught

ROTHAMSTED REPORT FOR 1977, 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	Broom's Barn	Hereford
Species												
<i>Acyrtosiphon pisum</i>	1	4	1		18			3	5	4	19	3
<i>Aphis fabae</i> grp.		1	2			1			12	2	13	5
<i>Aphis</i> spp.	4	1	3	8	2			14	49	16	13	13
<i>Amphorophora rubi</i>		4	4			1		1	3	1	21	2
<i>Aulocorthum solani</i>		1						2	3	1	5	
<i>Brachycaudus helichrysi</i>	2	7	45	35		29	20	102	453	385	227	241
<i>Brevicoryne brassicae</i>										2	8	
<i>Cavariella aegopodii</i>	9	6	20	8	3	14	46	313	481	71	526	654
<i>Cinara</i> spp.	2	3	7	22	3	3		2	3	84	36	7
<i>Drepanosiphum platanoidis</i>	29	80	99	28	12	52	68	189	86	15	15	94
<i>Dysaphis plantaginea</i>			1	2				3	11	4	18	55
<i>Elatobium abietinum</i>	1	1	1	12		67		71	1	410		8
<i>Eriosoma ulmi</i>	5	10	14	8	46	2	4	21	12	4	8	58
<i>Hyalopterus pruni</i>	1	34	19	22	64	3	3	37	123	22	42	204
<i>Hyperomyzus lactucae</i>		1	1			1	1	4	6	16	4	10
<i>Macrosiphum euphorbiae</i>			10	3				3	18	32	13	18
<i>Megoura viciae</i>				1								
<i>Metopolophium dirhodum</i>		20	4	9	17	1		4	28	6	230	14
<i>Metopolophium festucae</i>							2	4	1		54	
<i>Myzus ascalonicus</i>			3	3		1		1	10	1	4	2
<i>Myzus certus</i>			1	1	4			1		1	1	
<i>Myzus ornatus</i>		2	2						2	1	1	
<i>Myzus persicae</i> grp.			2	12	2			1	3	3	7	1
<i>Nasonovia ribis nigri</i>			1					2	6	12		1
<i>Pemphigus</i> spp.			10		1			7	2		13	2
<i>Pentatrichopus fragaefolii</i>												
<i>Phorodon humuli</i>		1	3	2	3		2	16	262	92	1634	1648
<i>Phyllaphis fagi</i>	6	9	25	17	3	5		4	6	1	7	2
<i>Rhopalosiphum insertum</i>	1	2	18	32	2	9	1	10	21		52	3
<i>Rhopalosiphum maidis</i>		3		5				1		4	5	1
<i>Rhopalosiphum padi</i>	1	14	5	2	129	2	2	2	131	42	2940	43
<i>Sitobion avenae</i>	4	15	38	126	169	17	30	73	113	188	467	331
<i>Sitobion fragariae</i>			1					12	6	17	24	1

ROTHAMSTED INSECT SURVEY

1(d)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1977
18 June to 15 July 1977

											Sites
											Species
Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	N.E. Polder	Wye, Kent	North Farm	Starcross	Rosewarne	
24	211	195	3	50	11	11	43	48	95	14	<i>Acyrtosiphon pisum</i>
23	74	83	71	47	64	10	30	50	141	28	<i>Aphis fabae</i> grp.
45	114	226	50	187	6	4	30	27	66	40	<i>Aphis</i> spp.
	8	8	2				2	13	11		<i>Amphorophora rubi</i>
		56	1	5	4			2	17	3	<i>Aulacorthum solani</i>
318	634	944	157	419	140	18	188	353	323	57	<i>Brachycaudus helichrysi</i>
	4	1		2		4			16		<i>Brevicoryne brassicae</i>
478	1217	1462	324	1177	1078	276	263	326	625	126	<i>Cavariella aegopodii</i>
2	1	6	3	3	4	62	4		2	4	<i>Cinara</i> spp.
28	49		5	62	1	1963	22	171	7	11	<i>Drepanosiphum platanoidis</i>
22	23	70	11	25			7	16	7	1	<i>Dysaphis plantaginea</i>
			6						1		<i>Elatobium abietinum</i>
2	15	34	2	2	70	32	11	3	2		<i>Eriosoma ulmi</i>
69	156	582	126	130	80	11	48	104	405	89	<i>Hyalopterus pruni</i>
7	34	42	8	13	19	17	11	20	105	72	<i>Hyperomyzus lactucae</i>
21	59	240	14	103	28	9	50	333	308	732	<i>Macrosiphum euphoribae</i>
											<i>Megoura viciae</i>
163	832	2212	40	626	2078	3736	319	968	1880	763	<i>Metopolophium dirhodum</i>
96	16	27	1	31	31	32	19	23	23	44	<i>Metopolophium festucae</i>
6	5	9	2	11	5	3	1	4		2	<i>Myzus ascalonicus</i>
1	6	61	6		2	6	5	22	13	2	<i>Myzus certus</i>
	2	9	3	5				1		3	<i>Myzus ornatus</i>
6	40	89	32	27	29	3	23	144	146	68	<i>Myzus persicae</i> grp.
6	18	26	17	19	9	3	12	2	49	60	<i>Nasonovia ribis nigri</i>
4	19	158	1	9	4	9	2	1	1	2	<i>Pemphigus</i> spp.
			1								<i>Pentatrichopus fragaefolii</i>
657	7188	6954	343	1401	146	91	976	750	448	4	<i>Phorodon humuli</i>
23	7	13	1	19	1	4	4		2		<i>Phyllaphis fagi</i>
33	172	146	6	144	173	45	46	29	73	14	<i>Rhopalosiphum insertum</i>
	4	1	2				5		10	24	<i>Rhopalosiphum maidis</i>
992	1269	2866	13	671	1113	497	1530	571	4722	823	<i>Rhopalosiphum padi</i>
727	687	897	380	773	251	274	641	1117	2391	4291	<i>Sitobion avenae</i>
2	18	59	3	25	48	2	11	9	20	27	<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1977, 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	Brooms Barn	Hereford
Species												
<i>Acyrtosiphon pisum</i>	6	16	1	1	21	1	3	27	72	8	200	64
<i>Aphis fabae</i> grp.	1	14	12	9	35			9	358	3	594	185
<i>Aphis</i> spp.	5	4	8	23	9	2	2	33	247	23	137	46
<i>Amphorophora rubi</i>		18	3					2	2		23	7
<i>Aulacorthum solani</i>			1					3	2			1
<i>Brachycaudus helichrysi</i>	8	20	52	4	10	16	12	35	651	7	526	194
<i>Brevicoryne brassicae</i>					9				6	7	53	7
<i>Cavariella aegopodii</i>	7	3	7	2	6	9	15	34	422	4	260	97
<i>Cinara</i> spp.		4	1	2	2	17		1	4	13	13	9
<i>Drepanosiphum platanoidis</i>	15	19	5	14	2	11	68	400	57	10	21	150
<i>Dysaphis plantaginea</i>					4				7		39	3
<i>Elatobium abietinum</i>												
<i>Eriosoma ulmi</i>		2	1					1				
<i>Hyalopterus pruni</i>	3	21	18	7	214	3	23	114	863	15	414	404
<i>Hyperomyzus lactucae</i>	1	1	5		7	3	4	4	73	12	43	79
<i>Macrosiphum euphorbiae</i>	2	66	17	19		7		150	96	35	20	92
<i>Megoura viciae</i>												
<i>Metopolophium dirhodum</i>	100	662	155	40	36	34	32	51	179	18	619	70
<i>Metopolophium festucae</i>	1			2			1	7	2	1	16	1
<i>Myzus ascalonicus</i>									3			
<i>Myzus certus</i>					18			5	14			5
<i>Myzus ornatus</i>	1								2			1
<i>Myzus persicae</i> grp.	1	20	9	10	37	1	2	71	90	4	59	274
<i>Nasonovia ribis nigris</i>	9		2			1		2	32	6	11	3
<i>Pemphigus</i> spp.	2	3	5	19	11			14			9	6
<i>Pentatrichopus fragaefolii</i>												
<i>Phorodon humuli</i>		1	5		11		2	2	420	3	3041	1427
<i>Phyllaphis fagi</i>		2	2			2		1			4	1
<i>Rhopalosiphum insertum</i>	7	77	96	149	73	49	25	184	410	5	329	128
<i>Rhopalosiphum maidis</i>	3	1	1		48	3	1	4	5	3	19	
<i>Rhopalosiphum padi</i>	39	248	71	56	2058	261	219	423	1465	332	6924	1198
<i>Sitobion avenae</i>	190	706	380	497	2096	629	818	310	978	287	1554	934
<i>Sitobion fragariae</i>	1	3	15	3		1	1	73	44	19	27	21

ROTHAMSTED INSECT SURVEY

1(e)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1977
16 July to 12 August 1977

	Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	N.E. Polder	Wye, Kent	North Farm	Starcross	Rosewarne	Sites
												Species
367	474	92	46	154	4	12	111	65	43	4		<i>Acyrtosiphon pisum</i>
877	4114	352	183	1298	128	459	886	160	148	6		<i>Aphis fabae</i> grp.
118	246	68	147	156	14	11	149	25	47	3		<i>Aphis</i> spp.
	2		1	2				8	5			<i>Amphorophora rubi</i>
	4	6			2		4		12			<i>Aulacorthum solani</i>
528	444	74	90	190	11	2	121	36	117	3		<i>Brachycaudus helichrysi</i>
2	28	2	2		6	4			55			<i>Brevicoryne brassicae</i>
237	264	94	30	174	26	9	121	37	158	19		<i>Cavariella aegopodii</i>
			2	2		2			2			<i>Cinara</i> spp.
6	52		4	28	6	1216	36	51	22	5		<i>Drepanosiphum platanoidis</i>
7	4	6	7	2	1	1	7		2	1		<i>Dysaphis plantaginea</i>
									1			<i>Elatobium abietinum</i>
	4		1			1	6					<i>Eriosoma ulmi</i>
1482	1346	436	400	616	261	115	1481	186	411	12		<i>Hyalopterus pruni</i>
54	94	14	19	80	4	3	51	15	61	3		<i>Hyperomyzus lactucae</i>
64	86	28	41	26	1	5	31	8	133	6		<i>Macrosiphum euphorbiae</i>
												<i>Megoura viciae</i>
329	516	432	52	298	99	86	110	88	254	24		<i>Metopolophium dirhodum</i>
19	16	4		20	2	13	10	8	3	2		<i>Metopolophium festucae</i>
				2								<i>Myzus ascalonicus</i>
8	2		11	2		14			10			<i>Myzus certus</i>
2			2	2				1				<i>Myzus ornatus</i>
140	108	16	110	64	8	125	61	24	70	3		<i>Myzus persicae</i> grp.
26	10	8	6	18		2	11	4	23			<i>Nasonovia ribis nigri</i>
10		4	2	8	7	14	3		3	1		<i>Pemphigus</i> spp.
									2			<i>Pentatrichopus fragaefolii</i>
2964	6300	488	214	1450	169	61	1065	118	257	1		<i>Phorodon humuli</i>
2	2			2			56		2			<i>Phyllaphis fagi</i>
574	792	94	74	836	136	378	618	134	363	36		<i>Rhopalosiphum insertum</i>
7	48	2		8	9	21	8	1	9			<i>Rhopalosiphum maidis</i>
3967	9328	990	555	4224	1571	6971	2880	1892	5420	1338		<i>Rhopalosiphum padi</i>
2012	2848	778	606	2682	193	1244	2309	575	2295	251		<i>Sitobion avenae</i>
10	40	8	39	20	12	8	17	10	61	5		<i>Sitobion fragariae</i>

Rainham trap not operating July 22—August 6.

ROTHAMSTED REPORT FOR 1977, PART 2

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

Species	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth	Brooms Barn	Hereford
<i>Acyrtosiphon pisum</i>	25	5	5	3				8	23	23	4	30
<i>Aphis fabae</i> grp.	14	92	53	127	5	5	1	53	210	15	529	298
<i>Aphis</i> spp.	5	11	14	17	5	2	1	18	109	49	72	53
<i>Amphorophora rubi</i>		3	4									
<i>Aulacorthum solani</i>	1	2						1	2			
<i>Brachycaudus helichrysi</i>	22	35	109	49	1	7	5	39	127	21	45	53
<i>Brevicaryne brassicae</i>		1			8		1	2	2	46	3	3
<i>Cavariella aegopodii</i>	11	7	5	1	5			15	60	5	3	18
<i>Cinara</i> spp.	2			3					4	7	2	
<i>Drepanosiphum platanoidis</i>	4	37	17	14	2	20	3	233	99	3	38	73
<i>Dysaphis plantaginea</i>					1				1		1	4
<i>Elatobium abietinum</i>												
<i>Eriosoma ulmi</i>			1								2	
<i>Hyalopterus pruni</i>	2	60	31	30	72	2	6	38	522	46	114	307
<i>Hyperomyzus lactucae</i>	2	2	2	1		1			21	5		9
<i>Macrosiphum euphorbiae</i>	20	125	37	22		3		25	4	14		10
<i>Megoura viciae</i>			1									
<i>Metopolophium dirhodum</i>	42	7	33	3	1	1		10	29	14	1	17
<i>Metopolophium festucae</i>								29		3		
<i>Myzus ascalonicus</i>										4		
<i>Myzus certus</i>		1	2					2	1			2
<i>Myzus ornatus</i>		2								1		
<i>Myzus persicae</i> grp.	7	47	11	3	2	2		27	14	56		100
<i>Nasonovia ribis nigri</i>	15		3					2	2	5		5
<i>Pemphigus</i> spp.	14	3	7	16	21	2		8	3	6	10	10
<i>Pentatrichopus fragaefolii</i>												
<i>Phorodon humuli</i>		1							132	41	2	138
<i>Phyllaphis fagi</i>			2									
<i>Rhopalosiphum insertum</i>	28	74	124	332	19	62	26	201	268	10	98	221
<i>Rhopalosiphum maidis</i>		2	1	1	3		2		6	4	4	
<i>Rhopalosiphum padi</i>	1505	1494	434	494	874	788	246	617	2786	1104	879	1780
<i>Sitobion avenae</i>	82	76	66	158	20	49	13	25	29	102	24	44
<i>Sitobion fragariae</i>	5		4			2		35	8	21		6

ROTHAMSTED INSECT SURVEY

1(f)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1977
13 August to 9 September 1977

Sites											Species
Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	N.E. Polder	Wye, Kent	North Farm	Starcross	Rosewarne	
10	12	2	54	4			6		4		<i>Acyrtosiphon pisum</i>
486	732	80	205	156	11	38	38	6	4	11	<i>Aphis fabae</i> grp.
31	33	9	165	49	2		13	2	6	1	<i>Aphis</i> spp.
		2	1					1			<i>Amphorophora rubi</i>
57	31	16	42	11	8	3	58	17	18	1	<i>Aulacorthum solani</i>
1	8	1	16	3	2	1		1	40	1	<i>Brachycaudus helichrysi</i>
12	3		16	2	2	1	2	2	3	3	<i>Brevicoryne brassicae</i>
						1	1			1	<i>Cavariella aegopodii</i>
18	33	2	33	48	9	103	26	100	4	4	<i>Cinara</i> spp.
	2		3					1			<i>Drepanosiphum platanoidis</i>
											<i>Dysaphis plantaginea</i>
											<i>Elatobium abietinum</i>
170	18	167	600	61	2	2	2	29	135	2	<i>Eriosoma ulmi</i>
5			15	3	212	1249	200		4		<i>Hyalopterus pruni</i>
	7	2	20	1	2	2	2	1	3		<i>Hyperomyzus lactucae</i>
						2	1	1			<i>Macrosiphum euphorbiae</i>
4		2	26	2	1	5	2	1	1		<i>Megoura viciae</i>
			3		1	5					<i>Metopolophium dirhodum</i>
											<i>Metopolophium festucae</i>
			2	1	1	2		1	1		<i>Myzus ascalonicus</i>
			1								<i>Myzus certus</i>
1	9	2	65	5	2	22	5		55	2	<i>Myzus ornatus</i>
											<i>Myzus persicae</i> grp.
2	2	8	15	5	13	72	3	5	17	2	<i>Nasonovia ribis nigri</i>
											<i>Pemphigus</i> spp.
22	25	13	307	12	2	1	4		1		<i>Pentatrichopus fragaefolii</i>
2			1						1		<i>Phorodon humuli</i>
214	150	56	90	110	68	317	74	21	40	3	<i>Phyllaphis fagi</i>
18	10	9	9		12	8	8		6	7	<i>Rhopalosiphum insertum</i>
1241	588	621	1249	708	445	1930	510	329	911	228	<i>Rhopalosiphum maidis</i>
20	51	20	170	42	8	8	29	14	60	23	<i>Rhopalosiphum padi</i>
3			11	3		1		1	2	1	<i>Sitobion avenae</i>
											<i>Sitobion fragariae</i>

N.E. Polder — information not yet received for period August 15—September 4.

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE

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

Species	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	High Mowthorpe	Preston	Shardlow	Aberystwyth	Brooms Barn	Hereford
<i>Acyrtosiphon pisum</i>					1			2		1		
<i>Aphis fabae</i> grp.	22	102	14	46	1	8	8	68	30	51	3	21
<i>Aphis</i> spp.	6	24	20	30	1	5	1	24	14	63	1	8
<i>Amphorophora rubi</i>		1										
<i>Aulacorthum solani</i>										1		
<i>Brachycaudus helichrysi</i>	15	32	20	50	5	13	22	31	53	56	71	51
<i>Brevicoryne brassicae</i>					11		1	13	4	1	5	1
<i>Cavariella aegopodii</i>	136	15	2	7	2	1		8	3			1
<i>Cinara</i> spp.	8	1	1			2				1		
<i>Drepanosiphum platanoidis</i>	16	216	59	25	2	49	39	328	117	6	4	13
<i>Dysaphis plantaginea</i>			1	3			1	2	15	28	3	6
<i>Elatobium abietinum</i>												
<i>Eriosoma ulmi</i>	2	61	7	6	3	2		9	3	1	1	6
<i>Hyalopterus pruni</i>	14	52		1	4		1	7	12	4	15	2
<i>Hyperomyzus lactucae</i>	4	8	1		1	1		1	1	4		3
<i>Macrosiphum euphorbiae</i>		1		1		1		3		7		4
<i>Megoura viciae</i>												
<i>Metopolophium dirhodum</i>	152	13	3	15		4		6	4	1		3
<i>Metopolophium festucae</i>												2
<i>Myzus ascalonicus</i>										1		
<i>Myzus certus</i>				1								1
<i>Myzus ornatus</i>				1					1	3		
<i>Myzus persicae</i> grp.	12	14	2	7	2	4		19	19	7	2	37
<i>Nasonovia ribis nigri</i>	17			1		1	1	1	2	22	1	
<i>Pemphigus</i> spp.	26	21	32	22	44	44	3	125	33	59	10	21
<i>Pentatrichopus fragaefolii</i>												
<i>Phorodon humuli</i>									1			283
<i>Phyllaphis fagi</i>			4						1			
<i>Rhopalosiphum insertum</i>	319	719	371	735	19	843	134	1418	462	137	318	219
<i>Rhopalosiphum maidis</i>			3							2		
<i>Rhopalosiphum padi</i>	11384	7189	1433	2425	368	2523	1339	11519	6071	2456	864	2826
<i>Sitobion avenae</i>	3	2	3	1		3		13		2	3	8
<i>Sitobion fragariae</i>	13		3			1		41		14	1	2

ROTHAMSTED INSECT SURVEY

1(g)

of aphids of economic, or other, interest reported in the Weekly Bulletin 1977
10 September to 7 October 1977

Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	N.E. Polder	Wye, Kent	North Farm	Starcross	Rosewarne	Species
1	5	2	8	3	3	177	4	1		2	<i>Acyrtosiphon pisum</i>
2	3	1	9	5	1	3	4	3	2	7	<i>Aphis fabae</i> grp.
								4	1	2	<i>Aphis</i> spp.
	1				1		1		1		<i>Amphorophora rubi</i>
115	62	34	35	57	44	69	184	127	49	20	<i>Aulacorthum solani</i>
1	1	1	2	1		3		1			<i>Brachycaudus helichrysi</i>
3	2	1	3		27	11	6	2	6		<i>Brevicoryne brassicae</i>
											<i>Cavariella aegopodii</i>
20	19	10	27	38	11	101	40	162	3	15	<i>Cinara</i> spp.
7	1	4	15	17	2	3	1	8	5	14	<i>Drepanosiphum platanoidis</i>
											<i>Dysaphis plantaginea</i>
	2	14	1	1	21	13	1	1			<i>Elatobium abietinum</i>
10	10	70	4	9	50	362	34	28	5	4	<i>Eriosoma ulmi</i>
		1			2	1			1		<i>Hyalopterus pruni</i>
			5	9	1	3	3	1	2	3	<i>Hyperomyzus lactucae</i>
											<i>Macrosiphum euphorbiae</i>
1			4	2	12	25	3	2			<i>Megoura viciae</i>
				1							<i>Metapolophium dirhodum</i>
				1	1	1					<i>Metapolophium festucae</i>
											<i>Myzus ascalonicus</i>
											<i>Myzus certus</i>
4	1	1	10	3	28	12	9	8	26	8	<i>Myzus ornatus</i>
	1		2		7	3	3		17		<i>Myzus persicae</i> grp.
5	7	273	38	40	351	938	18	5	24	19	<i>Nasonovia ribis nigri</i>
											<i>Pemphigus</i> spp.
		1	3	4	2	1	84	1			<i>Pentatrichopus fragaefolii</i>
	1		2								<i>Phorodon humuli</i>
331	263	147	174	335	592	8108	493	177	174	64	<i>Phyllaphis fagi</i>
1						1		4		3	<i>Rhopalosiphum insertum</i>
1113	1915	1960	4549	3253	4568	12234	2260	2247	1302	2712	<i>Rhopalosiphum maidis</i>
3	2	5	1	4	3	6	2	19	1	7	<i>Rhopalosiphum padi</i>
		1	2	3	3		1		1		<i>Sitobion avenae</i>
											<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1977, PART 2

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

Species	Elgin	Dundee	Edinburgh	Auchincruive	Copenhagen	Newcastle	Hight Mowthorpe	Preston	Shardlow	Aberystwyth	Broom's Barn	Hereford
<i>Acyrtosiphon pisum</i>												
<i>Aphis fabae</i> grp.	4	2	7	3	2	2	2	7	3	8	25	2
<i>Aphis</i> spp.	3		5		2	2	1	6	5	14	1	
<i>Amphorophora rubi</i>		3										
<i>Aulacorthum solani</i>	1		2			1		2	1	1	1	1
<i>Brachycaudus helichrysi</i>	12	2	11	4	6	8	4	2	10	8	22	8
<i>Brevicoryne brassicae</i>			3	1	3	2	1	5	3	15	1	
<i>Cavariella aegopodii</i>	286	6	5	1	2	2	3	1	7	2	5	2
<i>Cinara</i> spp.	5		1								1	
<i>Drepanosiphum platanoidis</i>	25	114	59	24	1	57	15	70	71	3	1	2
<i>Dysaphis plantaginea</i>						1	1	2	5	4		1
<i>Elatobium abietinum</i>						1						
<i>Eriosoma ulmi</i>		45	12	1	6	6	4	2	6	1	20	28
<i>Hyalopterus pruni</i>	5							1	4			
<i>Hyperomyzus lactucae</i>		2		1	1	1	2		3	1		6
<i>Macrosiphum euphorbiae</i>	3	1	3	2		2			2	1		1
<i>Megoura viciae</i>												
<i>Metopolophium dirhodum</i>	96	1	3	17	1	3		12	7	2		1
<i>Metopolophium festucae</i>						1		3		5		6
<i>Myzus ascalonicus</i>						1			2		1	5
<i>Myzus certus</i>	2											
<i>Myzus ornatus</i>							1					
<i>Myzus persicae</i> grp.	85	15	3	8	3	9	3	11	15	12	4	9
<i>Nasonovia ribis nigri</i>	6								5	11		3
<i>Pemphigus</i> spp.	112	22	41	84	24	36	2	34	92	8	181	49
<i>Pentatrichopus fragaefolii</i>												1
<i>Phorodon humuli</i>			1					1		8		9
<i>Phyllaphis fagi</i>		3	3					1	2	1	1	2
<i>Rhopalosiphum insertum</i>	237	193	346	213	26	424	198	599	771	160	465	483
<i>Rhopalosiphum maidis</i>		1	6	2					2	1	3	4
<i>Rhopalosiphum padi</i>	4919	1620	2407	1317	430	952	212	2014	2728	1301	554	1859
<i>Sitobion avenae</i>	3	1	15	8	1			3	8	9	2	8
<i>Sitobion fragariae</i>	20	1	5	7		5		70	4	91	1	10

Long Ashton trap finished 18 October.

N.E. Polder information not available 10–23 October and 31 October–4 November

ROTHAMSTED INSECT SURVEY

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aphids of economic, or other, interest reported in the weekly Bulletin, 1977
10 October to 4 November 1977

Rothamsted Tower	Writtle	Rainham	Long Ashton	Silwood Park	Zeeland	N. E. Polder	Wye, Kent	North Farm	Starcross	Rosewarne	Sites	Species
1	12	5	2	1	4	181	1		3			<i>Acyrtosiphon pisum</i>
2	10		12	11	1157		25	17	2	3		<i>Aphis fabae</i> grp.
							33	9	12	1		<i>Aphis</i> spp.
	2	9		4	7		3	3	4	1		<i>Amphorophora rubi</i>
14	13	15	2	6	72	11	13	7	8	2		<i>Aulacorthum solani</i>
1	8	3		1	3		3					<i>Brachycaudus helichrysi</i>
3	3	9	6	6	73	6	24		2	3		<i>Brevicoryne brassicae</i>
1	1				1	2						<i>Cavariella aegopodii</i>
17	12	13	8	23	56	20	60	162	3	4		<i>Cinara</i> spp.
1		3	4	6	9	2	7	8		2		<i>Drepanosiphum platanoidis</i>
												<i>Dysaphis plantaginea</i>
2	15	11	3	6	27	6	20	5				<i>Elatobium abietinum</i>
		3		5	6	7	1	1				<i>Eriosoma ulmi</i>
1	4	3	6	1	3	12	4			1		<i>Hyalopterus pruni</i>
1	1	2	1	6	6	2		2				<i>Hyperomyzus lactucae</i>
												<i>Macrosiphum euphorbiae</i>
3	3	8	3	9	28	11	11	4	5			<i>Megoura viciae</i>
	2											<i>Metopolophium dirhodum</i>
2	3	4			3	1	3		2			<i>Metopolophium festucae</i>
				1		2	1					<i>Myzus ascalonicus</i>
2				2	3							<i>Myzus certus</i>
6	12	10	2	9	78	25	21	30	44	2		<i>Myzus ornatus</i>
2			2		5	3		3	2			<i>Myzus persicae</i> grp.
34	65	873	63	16	696	19	72	5	23	5		<i>Nasonovia ribis nigri</i>
												<i>Pemphigus</i> spp.
	1	3	2	2			80		1			<i>Pentatrichopus fragaefolii</i>
1				1			1					<i>Phorodon humuli</i>
829	831	776	195	592	1300	1619	1075	399	442	171		<i>Phyllaphis fagi</i>
1	4	6	6		2	5	9	14	7	2		<i>Rhopalosiphum insertum</i>
829	2588	2924	2924	1429	3455	2290	2843	1090	1015	270		<i>Rhopalosiphum maidis</i>
7	1	20	20	7	3	2	14	25	14	2		<i>Rhopalosiphum padi</i>
2	4		20	11	25	7	5	5	4	1		<i>Sitobion avenae</i>
												<i>Sitobion fragariae</i>

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE
The Rothamsted Insect Survey—Light Traps: annual records

Pest Species	Year	Arross	Newton, Elgin	Benbecula	Carbost	Fort Augustus	Banchory	Rannoch	Aros	Dundee	Culzean Castle	Dunblane	Rowandennan	East Craigs	Glentress	Auchincruive	Waterside Mains
		57	58	345	50	49	342	29	60	47	264	298	97	261	339	293	338
<i>Gortyna micacea</i>	1975	52	65	—	62	26	—	75	—	8	—	28	—	27	—	17	—
Rosy Rustic	1976	102	166	7	53	26	105	80	227	9	64	4	4	16	115	14	187
<i>Bupalus piniaria</i>	1975	0	0	—	0	0	—	0	—	0	—	0	—	0	—	0	—
Bordered White	1976	0	2	0	0	3	1	1	0	0	4	0	0	0	0	1	0
<i>Panolis flammea</i>	1975	0	1	—	0	3	—	1	—	0	—	0	—	0	—	0	—
Pine Beauty	1976	0	0	0	1	21	0	4	0	0	2	0	1	0	0	0	0
<i>Cerapteryx graminis</i>	1975	40	28	—	155	155	—	115	—	30	—	71	—	25	—	57	—
Antler Moth	1976	84	14	77	100	75	50	95	183	19	57	30	5	22	82	13	64
<i>Erannis aurantiaris</i>	1975	51	17	—	11	66	—	267	—	0	—	1	—	0	—	0	—
Scarce Umber	1976	15	8	0	8	45	—	287	0	0	0	1	38	0	4	0	22
<i>Operophtera fagata</i>	1975	25	9	—	10	8	—	373	—	3	—	0	—	2	—	0	—
Norther Winter Moth	1976	1	2	0	6	7	—	386	0	0	19	0	13	0	0	0	50
<i>Apamea sordens</i>	1975	0	0	—	0	2	—	0	—	1	—	0	—	14	—	6	—
Rustic Shoulder-knot	1976	0	0	0	0	3	0	0	0	8	3	1	0	10	2	1	0
<i>Gortyna flavago</i>	1975	0	23	—	0	0	—	0	—	2	—	0	—	0	—	0	—
Frosted Orange	1976	0	31	0	0	0	3	0	0	0	2	0	0	0	0	0	16
<i>Mamestra brassicae</i>	1975	0	1	—	0	0	—	0	—	3	—	1	—	1	—	0	—
Cabbage Moth	1976	0	1	0	0	0	0	0	0	1	0	4	1	2	0	1	0
<i>Noctua pronuba</i>	1975	2	16	—	6	4	—	0	—	31	—	41	—	11	—	15	—
Large Yellow Underwing	1976	2	8	0	5	7	7	1	1	15	12	5	6	7	11	14	120
<i>Diatraxia oleracea</i>	1975	0	1	—	2	1	—	0	—	2	—	1	—	23	—	3	—
Bright-line Brown-eye	1976	0	5	0	9	1	0	0	1	2	3	3	1	16	3	4	15
<i>Euxoa nigricans</i>	1975	0	2	—	0	0	—	0	—	4	—	2	—	6	—	0	—
Garden Dart	1976	0	1	0	0	0	0	0	0	2	0	0	0	7	1	0	0
<i>Apamea secalis</i>	1975	2	45	—	32	7	—	0	—	40	—	47	—	149	—	58	—
Common Rustic	1976	11	61	0	27	7	10	0	20	47	7	9	4	99	17	51	43
<i>Melanchra persicariae</i>	1975	0	0	—	0	0	—	0	—	0	—	0	—	0	—	0	—
Dot Moth	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Operophtera brumata</i>	1975	11	20	—	5	47	—	177	—	4	—	5	—	0	—	1	—
Winter Moth	1976	1	5	0	13	25	—	169	1	0	4	0	1074	1	4	0	133

ROTHAMSTED INSECT SURVEY

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of moths of economic, or other importance for 1975 and 1976

	Kielder	Rochester	Bedlington	Haltwhistle	Penninghame	Sunderland	Caerlaverock	Newton Stewart	Bridge of Dee	Gatehouse of Fleet	Chester le Street	Moorhouse	Middleton in Teesdale	Bolam	Windermere	Wykeham	Year	Pest Species
	296	278	303	304	325	318	249	326	324	287	39	281	263	312	323	187		
19	—	—	—	—	—	—	280	—	—	49	17	—	8	—	—	32	1975	<i>Gortyna micacea</i>
42	120	36	47	178	0	187	41	95	65	14	0	19	55	10	55	1976	Rosy Rustic	
0	—	—	—	—	—	0	0	—	0	0	0	—	0	—	—	7	1975	<i>Bupalus piniaria</i>
0	0	1	0	10	0	0	0	0	0	0	0	0	0	0	0	3	1976	Bordered White
0	—	—	—	—	—	—	0	—	1	0	0	—	0	—	—	1	1975	<i>Panolis flammea</i>
0	0	0	0	27	0	1	0	0	0	0	0	0	0	0	0	13	1976	Pine Beauty
61	—	—	—	—	—	—	106	—	—	36	2	—	343	—	—	22	1975	<i>Cerapteryx graminis</i>
22	157	3	72	147	0	34	28	71	22	0	407	240	22	113	15	1976	Antler Moth	
40	—	—	—	—	—	0	—	—	6	0	—	7	—	—	23	1975	<i>Erannis aurantiaria</i>	
78	44	0	0	—	—	0	0	6	6	1	0	6	2	29	—	1976	Scarce Umber	
40	—	—	—	—	—	0	—	—	5	0	—	5	—	—	0	1975	<i>Operophtera fagata</i>	
35	174	0	0	—	0	1	0	18	5	0	0	3	0	5	—	1976	Northern Winter Moth	
0	—	—	—	—	—	0	—	—	0	5	—	0	—	—	0	1975	<i>Apamea sordens</i>	
0	0	3	0	0	0	0	0	0	0	1	0	0	6	0	0	1976	Rustic Shoulder-knot	
0	—	—	—	—	—	—	25	—	—	2	0	—	0	—	—	0	1975	<i>Gortyna flavago</i>
0	0	1	0	3	0	25	1	7	6	0	0	0	0	0	0	0	1976	Frosted Orange
0	—	—	—	—	—	0	—	—	0	0	—	0	—	—	0	1975	<i>Mamestra brassicae</i>	
0	6	3	0	1	0	0	1	0	0	10	0	4	11	0	0	1976	Cabbage Moth	
3	—	—	—	—	—	15	—	—	9	20	—	9	—	—	10	1975	<i>Noctua pronuba</i>	
2	5	9	4	2	0	4	10	2	20	8	1	72	9	35	5	1976	Large Yellow Underwing	
0	—	—	—	—	—	2	—	—	4	4	—	2	—	—	1	1975	<i>Diataraxia oleracea</i>	
1	0	5	0	2	0	7	11	0	5	10	0	18	12	1	4	1976	Bright-line Brown-eye	
0	—	—	—	—	—	0	—	—	0	6	—	0	—	—	0	1975	<i>Euxoa nigricans</i>	
0	0	1	0	0	0	0	0	0	0	1	0	9	0	0	0	1976	Garden Dart	
8	—	—	—	—	—	68	—	—	23	42	—	1	—	—	5	1975	<i>Apamea secalis</i>	
12	4	27	4	34	0	87	23	12	17	92	2	25	129	21	35	1976	Common Rustic	
0	—	—	—	—	—	0	—	—	0	0	—	0	—	—	0	1975	<i>Melanchra persicariae</i>	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	1976	Dot Moth	
80	—	—	—	—	—	10	—	—	194	1	—	31	—	—	24	1975	<i>Operophtera brumata</i>	
99	241	1	16	—	0	15	7	66	94	0	0	17	1	446	—	1976	Winter Moth	

ROTHAMSTED REPORT FOR 1977, PART 2

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Pest Species	Year	Tow Hill	Baldersby	Leighton Moss	Castletown I.O.M.	Malham	Harrogate	Hayton	Blacktoft Sands	Spurn Head	Barnsley	East Didsbury	Riseholme	Bangor	Gleadthorpe	Denbigh	Matlock
		116	315	133	306	45	68	291	330	131	157	269	96	35	257	242	279
<i>Gortyna micacea</i>	1975	9	—	74	73	0	11	45	—	26	51	9	16	0	106	3	9
Rosy Rustic	1976	7	62	106	46	0	13	42	82	19	99	4	28	1	100	7	15
<i>Bupalus piniaria</i>	1975	0	—	0	0	0	0	0	—	0	0	0	0	0	0	0	0
Bordered White	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Panolis flammea</i>	1975	0	—	0	0	0	0	0	—	0	0	0	0	0	0	0	0
Pine Beauty	1976	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Cerapteryx graminis</i>	1975	1078	—	14	14	87	3	11	—	89	5	0	2	17	9	13	4
Antler Moth	1976	895	22	31	12	126	1	6	0	71	18	3	0	6	4	4	4
<i>Erannis aurantiaria</i>	1975	1	—	10	0	26	1	2	—	0	0	0	0	0	0	0	0
Scarce Umber	1976	10	0	3	0	3	1	0	0	0	—	0	0	0	1	0	0
<i>Operophtera fagata</i>	1975	5	—	6	1	45	0	0	—	0	0	0	0	0	2	0	1
Northern Winter Moth	1976	8	0	12	1	11	0	0	0	0	—	0	0	0	17	0	1
<i>Apamea sordens</i>	1975	5	—	0	0	0	0	0	—	3	4	1	3	1	2	0	6
Rustic Shoulder-knot	1976	13	3	2	4	3	0	5	6	11	4	4	5	0	0	0	4
<i>Gortyna flavago</i>	1975	0	—	2	0	0	2	3	—	0	3	0	0	0	22	1	0
Frosted Orange	1976	0	3	3	1	0	0	6	11	1	2	0	2	0	7	1	1
<i>Mamestra brassicae</i>	1975	0	—	0	3	1	0	2	—	1	0	0	0	3	1	2	1
Cabbage Moth	1976	0	7	1	0	1	1	4	4	0	0	0	2	11	6	1	5
<i>Noctua pronuba</i>	1975	13	—	10	34	9	10	25	—	18	12	11	17	65	9	29	63
Large Yellow Underwing	1976	35	12	5	63	74	9	16	10	170	20	0	2	22	15	24	24
<i>Diataraxia oleracea</i>	1975	0	—	0	7	0	2	8	—	31	11	0	10	3	28	4	3
Bright-line Brown-eye	1976	5	9	2	9	1	3	6	18	43	48	2	15	16	66	2	10
<i>Euxoa nigricans</i>	1975	0	—	0	0	0	0	6	—	0	0	0	0	1	0	0	0
Garden Dart	1976	0	2	0	0	0	0	1	0	1	0	0	0	0	1	0	1
<i>Apamea secalis</i>	1975	0	—	4	74	0	32	69	—	12	43	9	51	25	36	19	53
Common Rustic	1976	3	85	6	275	3	54	36	54	79	129	2	43	48	75	88	55
<i>Melanchra persicariae</i>	1975	0	—	1	0	0	0	3	—	1	0	0	1	0	0	0	1
Dot Moth	1976	0	0	0	0	0	0	1	7	0	0	0	0	0	0	0	1
<i>Operophtera brumata</i>	1975	84	—	34	16	60	14	32	—	15	14	2	2	0	12	3	3
Winter Moth	1976	64	11	17	4	21	6	11	19	0	—	0	2	0	6	1	5

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of moths of economic, or other importance for 1975 and 1976

	Gibraltar Point	Hope Mountain	Nantelwyd	Empingham	Caythorpe	Wells next the Sea	Glyn Ceiriog	Shardlow	Stoke on Tern	Sutton Bonnington	Thorpe in the Glebe	Sutton Bonnington	Terrington	Rowton	Pallaskenry	Norwich	Year	Pest Species
	223	245	243	280	202	274	244	310	321	201	160	168	216	154	207	128		
	18	5	—	4	24	3	49	41	—	4	20	8	23	—	—	0	1975	<i>Gortyna micacea</i>
	35	25	118	12	26	3	51	43	56	17	12	22	21	242	45	0	1976	Rosy Rustic
	0	0	—	0	0	0	0	0	—	0	0	0	0	—	—	0	1975	<i>Bupalus piniaria</i>
	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1976	Bordered White
	0	0	—	0	0	0	0	0	—	0	0	0	0	—	—	0	1975	<i>Panolis flammea</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	Pine Beauty
	30	276	—	0	0	0	28	1	—	0	5	0	1	—	—	0	1975	<i>Cerapteryx graminis</i>
	14	469	9	0	0	0	16	3	0	0	1	0	0	1	0	0	1976	Antler Moth
	0	3	—	0	1	0	14	1	—	0	—	0	0	—	—	0	1975	<i>Erannis aurantiaria</i>
	0	0	9	1	1	0	1	1	5	2	—	2	0	0	0	0	1976	Scarce Umber
	0	0	—	0	0	0	0	0	—	0	—	0	0	—	—	0	1975	<i>Operophtera fagata</i>
	1	0	1	0	0	0	0	0	0	0	—	0	0	0	0	0	1976	Northern Winter Moth
	1	1	—	0	0	1	2	7	—	0	0	4	1	—	—	0	1975	<i>Apamea sordens</i>
	1	1	3	0	2	2	8	3	0	5	5	2	1	1	1	0	1976	Rustic Shoulder-knot
	2	0	—	2	7	0	2	10	—	4	6	13	0	—	—	0	1975	<i>Gortyna flavago</i>
	1	0	5	0	3	0	0	7	9	2	3	6	0	10	0	0	1976	Frosted Orange
	2	0	—	3	3	1	1	0	—	1	0	0	12	—	—	0	1975	<i>Mamestra brassicae</i>
	2	0	0	13	1	0	2	3	0	4	0	2	7	0	3	0	1976	Cabbage Moth
	7	30	—	97	9	0	7	10	—	8	26	29	2	—	—	0	1975	<i>Noctua pronuba</i>
	9	6	24	28	14	3	12	4	6	7	19	16	1	4	100	0	1976	Large Yellow Underwing
	4	0	—	19	8	0	1	14	—	2	10	27	5	—	—	0	1975	<i>Diataraxia oleracea</i>
	6	1	3	40	9	0	0	10	13	9	3	22	4	5	1	0	1976	Bright-line Brown-eye
	0	1	—	19	0	0	0	0	—	3	0	2	0	—	—	0	1975	<i>Euxoa nigricans</i>
	0	0	0	4	6	0	1	1	0	1	1	1	1	0	0	0	1976	Garden Dart
	14	19	—	431	21	7	24	37	—	43	36	25	10	—	—	1	1975	<i>Apamea secalis</i>
	27	23	48	40	26	17	41	34	101	25	9	70	8	223	30	1	1976	Common Rustic
	0	0	—	2	0	0	0	5	—	0	0	3	0	—	—	0	1975	<i>Melanchra persicariae</i>
	0	0	0	2	1	0	0	0	3	0	0	4	0	0	0	0	1976	Dot Moth
	0	5	—	8	9	4	102	5	—	8	—	7	3	—	—	0	1975	<i>Operophtera brumata</i>
	0	5	15	8	3	2	22	0	5	4	—	3	1	98	0	0	1976	Winter Moth

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Pest Species	Year	Wolverhampton	Methwold Fen	Slaylittle	Holme Fen	Santon Downham	Aberystwyth	Monks Wood	Monks Wood (Esingswode)	Pontrhydfendigaid	Broom's Barn	Tregaron	Llysdinam	Cockayne Hatley	Hereford	Cardigan	Pershore
<i>Gortyna micacea</i>	1975	0	19	3	2	7	7	34	22	—	4	—	33	—	40	108	8
Rosy Rustic	1976	0	20	14	20	11	79	40	22	104	0	80	85	10	25	66	18
<i>Bupalus piniaria</i>	1975	0	0	0	0	0	0	0	0	—	0	—	0	—	0	0	0
Bordered White	1976	0	0	6	0	0	4	0	0	20	1	0	1	0	0	0	0
<i>Panolis flammea</i>	1975	0	0	0	0	3	0	0	0	—	0	—	0	—	0	0	0
Pine Beauty	1976	0	0	0	0	0	1	1	0	0	0	0	14	0	0	0	1
<i>Cerapteryx graminis</i>	1975	1	0	376	0	12	78	0	0	—	0	—	146	—	2	16	0
Antler Moth	1976	0	2	411	0	13	230	0	0	274	0	583	63	0	2	25	1
<i>Erannis aurantiaria</i>	1975	0	0	10	1	4	0	0	36	—	0	—	31	—	0	1	13
Scarce Umber	1976	0	0	5	0	11	3	1	55	35	1	94	0	2	1	0	1
<i>Operophtera fagata</i>	1975	0	0	0	1	2	0	0	29	—	0	—	0	—	0	0	0
Northern Winter Moth	1976	0	0	1	1	4	0	0	25	1	0	0	0	0	0	0	3
<i>Apamea sordens</i>	1975	0	0	0	0	5	0	0	1	—	0	—	0	—	0	0	0
Rustic Shoulder-knot	1976	0	0	0	0	5	0	3	2	0	0	0	0	1	0	0	0
<i>Gortyna flavago</i>	1975	0	6	2	2	4	0	0	1	—	0	—	3	—	1	2	1
Frosted Orange	1976	0	7	8	1	1	0	2	0	3	0	0	6	0	2	11	0
<i>Mamestra brassicae</i>	1975	0	27	0	1	0	0	0	0	—	4	—	0	—	0	5	3
Cabbage Moth	1976	0	125	1	4	1	0	0	0	6	12	0	0	0	0	5	3
<i>Noctua pronuba</i>	1975	5	5	4	8	3	5	1	51	—	3	—	17	—	12	18	83
Large Yellow Underwing	1976	3	2	4	6	5	12	1	18	62	4	84	8	16	3	7	99
<i>Diataraxia oleracea</i>	1975	0	13	0	13	1	2	0	4	—	0	—	0	—	0	3	8
Bright-line Brown-eye	1976	1	16	1	14	3	3	0	12	7	0	35	1	6	0	6	6
<i>Euxoa nigricans</i>	1975	0	2	0	3	2	0	1	8	—	1	—	0	—	0	0	1
Garden Dart	1976	0	0	0	3	2	0	2	13	0	5	0	0	26	0	0	9
<i>Apamea secalis</i>	1975	3	8	2	17	5	36	20	102	—	12	—	12	—	27	58	73
Common Rustic	1976	1	11	8	4	0	59	18	80	33	13	57	29	23	15	52	59
<i>Melanchra persicariae</i>	1975	0	2	0	0	6	0	1	0	—	0	—	0	—	0	0	1
Dot Moth	1976	0	17	0	0	3	0	1	0	0	1	2	0	1	0	0	2
<i>Operophtera brumata</i>	1975	0	10	66	34	29	71	8	100	—	0	—	78	—	11	4	185
Winter Moth	1976	0	1	56	0	48	18	0	91	117	0	213	75	4	2	4	96

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	Shuttleworth	Howe Park	Trelech	Capel Isaac	Woodstock	Rothamsted (Barnfield)	Rothamsted (Allotments)	Rothamsted (Geescroft)	Wickham Bishops	Wytham	Writtle	Dale Fort	Whiteford	Chigwell Row	Westonbirt	Gower	Year	Pest Species
	283	170	233	232	182	1	34	22	120	367	87	17	332	305	292	213		
11	—	134	30	—	5	4	4	12	3	1	—	—	—	0	59	1975	<i>Gortyna micacea</i>	
19	7	208	14	2	14	33	13	23	8	8	6	104	4	3	68	1976	Rosy Rustic	
0	—	0	0	—	0	0	0	0	0	0	—	—	—	0	0	1975	<i>Bupalus piniaria</i>	
0	0	0	0	0	0	0	0	0	0	0	0	18	0	1	0	1976	Bordered White	
0	—	0	0	—	0	0	0	0	0	0	—	—	—	0	0	1975	<i>Panolis flammea</i>	
0	0	0	0	0	0	0	0	0	0	0	0	91	0	0	0	1976	Pine Beauty	
0	—	22	72	—	4	6	0	0	0	1	—	—	—	0	1	1975	<i>Cerapteryx graminis</i>	
0	2	23	90	0	0	0	0	1	2	0	1	96	0	0	9	1976	Antler Moth	
0	—	0	0	—	0	0	39	4	1	0	—	—	—	18	9	1975	<i>Erannis aurantiaria</i>	
3	5	5	0	1	0	0	20	3	0	0	0	0	0	18	0	1976	Scarce Umber	
0	—	0	0	—	0	0	0	0	0	0	—	—	—	12	0	1975	<i>Operophtera fagata</i>	
1	0	1	0	1	0	0	0	0	0	0	0	0	3	4	0	1976	Northern Winter Moth	
1	—	0	0	—	2	0	0	0	0	1	—	—	—	0	0	1975	<i>Apamea sordens</i>	
2	1	0	0	13	4	1	1	3	1	1	0	2	1	0	0	1976	Rustic Shoulder-knot	
1	—	10	14	—	0	0	1	0	1	3	—	—	—	0	4	1975	<i>Gortyna flavago</i>	
1	0	11	6	0	0	0	0	0	3	0	2	6	0	0	12	1976	Frosted Orange	
4	—	0	0	—	1	1	2	2	1	5	—	—	—	2	1	1975	<i>Mamestra brassicae</i>	
3	1	0	0	28	3	0	2	1	1	6	0	1	2	1	4	1976	Cabbage Moth	
19	—	33	9	—	6	0	155	3	23	46	—	—	—	57	10	1975	<i>Noctua pronuba</i>	
3	57	33	31	18	6	3	201	5	8	28	18	27	14	32	8	1976	Large Yellow Underwing	
25	—	2	3	—	0	3	5	7	3	35	—	—	—	0	3	1975	<i>Diataraxia oleracea</i>	
5	10	8	0	6	8	2	19	5	8	7	11	8	2	0	0	1976	Bright-line Brown-eye	
9	—	0	0	—	1	4	5	0	1	8	—	—	—	0	0	1975	<i>Euxoa nigricans</i>	
0	8	0	0	6	8	26	61	0	0	5	1	0	1	0	0	1976	Garden Dart	
49	—	54	25	—	217	27	193	24	60	294	15	109	62	66	11	1975	<i>Apamea secalis</i>	
21	214	211	31	66	68	15	255	49	76	129	—	—	—	178	14	1976	Common Rustic	
0	—	0	0	—	0	0	0	0	0	3	—	—	—	0	0	1975	<i>Melanchra persicariae</i>	
0	0	1	0	12	0	1	2	0	0	2	2	6	0	0	5	1976	Dot Moth	
18	—	31	47	—	5	0	213	21	7	2	—	—	—	52	16	1975	<i>Operophtera brumata</i>	
9	44	20	36	3	1	0	85	9	6	2	2	3	2	24	9	1976	Winter Moth	

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Pest Species	Year	Ilford	Cleppa Park	Hurley	Lambourn	Whiteknights	Stratfield Mortimer	Bath	Windlesham	East Malling	Wisley	Pirbright	Wye	Alice Holt	Nettlecombe Court	Winchester
		299	228	180	328	361	16	130	171	178	289	179	181	46	92	285
<i>Gortyna micacea</i> Rosy Rustic	1975	0	10	7	—	—	2	1	0	5	—	9	2	3	11	5
	1976	1	4	8	1	22	0	0	1	3	3	11	7	14	11	3
<i>Bupalus piniaria</i> Bordered White	1975	0	0	0	—	—	0	0	14	0	—	0	0	0	0	0
	1976	0	1	0	0	0	1	0	27	0	3	0	0	1	0	0
<i>Panolis flammea</i> Pine Beauty	1975	0	0	0	—	—	0	0	4	0	—	0	0	0	0	0
	1976	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
<i>Cerapteryx graminis</i> Antler Moth	1975	0	4	2	—	—	1	0	0	0	—	7	2	11	2	0
	1976	0	3	0	8	0	0	0	0	1	0	10	1	11	2	0
<i>Erannis aurantiaria</i> Scarce Umber	1975	0	0	2	—	—	4	0	16	0	—	1	0	14	1	0
	1976	0	0	4	0	1	4	0	49	0	6	0	1	26	1	0
<i>Operophtera fagata</i> Northern Winter Moth	1975	0	0	3	—	—	0	0	9	0	—	1	1	8	0	0
	1976	0	0	7	0	0	0	0	0	0	9	0	2	11	6	0
<i>Apamea sordens</i> Rustic Shoulder-knot	1975	0	0	0	—	—	0	0	0	2	—	2	1	1	0	0
	1976	1	0	2	4	0	1	0	0	1	1	0	2	0	0	3
<i>Gortyna flavago</i> Frosted Orange	1975	0	2	1	—	—	0	0	0	0	—	0	0	0	1	0
	1976	0	0	0	2	1	0	0	0	0	1	0	1	0	2	0
<i>Mamestra brassicae</i> Cabbage Moth	1975	8	0	0	—	—	0	5	5	2	—	2	4	0	0	0
	1976	6	2	0	0	0	1	12	2	5	5	2	5	0	0	0
<i>Noctua pronuba</i> Large Yellow Underwing	1975	22	9	3	—	—	10	13	8	3	—	5	15	13	15	3
	1976	31	12	3	10	7	22	5	13	6	19	11	15	11	27	7
<i>Diataraxia oleracea</i> Bright-line Brown-eye	1975	11	3	0	—	—	2	8	1	0	—	1	7	0	1	0
	1976	7	3	0	3	11	4	11	6	1	4	4	20	2	3	1
<i>Euxoa nigricans</i> Garden Dart	1975	0	1	0	—	—	0	0	0	109	—	0	0	1	0	3
	1976	0	0	0	1	0	0	0	3	152	0	0	3	0	0	0
<i>Apamea secalis</i> Common Rustic	1975	44	26	24	—	—	32	39	8	17	—	26	21	13	39	36
	1976	25	26	32	13	25	18	58	14	17	19	39	15	11	39	8
<i>Melanchra persicariae</i> Dot Moth	1975	0	0	0	—	—	1	0	0	0	—	0	2	0	1	1
	1976	0	0	0	1	0	1	1	0	0	0	0	5	0	0	0
<i>Operophtera brumata</i> Winter Moth	1975	0	7	14	—	—	171	3	32	6	—	8	59	121	43	18
	1976	1	2	12	0	0	63	4	38	3	10	2	37	78	5	0

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	Haslemere	Great Torrington	Lydd	Petworth	Brighton (Patcham)	Gritnam	Arne	Yarner Wood	Yarner Wood	Slapton Ley	Rosewarne	Scilly Isles	Guernsey	Jersey	Year	Pest Species
	219	186	256	319	220	335	163	266	308	67	114	227	252	146		
	14	87	2	—	1	—	0	3	—	56	13	—	8	7	1975	<i>Gortyna micacea</i>
	17	143	0	39	8	4	0	10	3	55	5	6	5	16	1976	Rosy Rustic
	0	0	0	—	0	—	5	0	—	0	0	—	0	0	1975	<i>Bupalus piniaria</i>
	0	0	0	0	0	0	22	0	0	0	0	0	0	0	1976	Bordered White
	1	0	0	—	0	—	4	1	—	0	1	—	0	0	1975	<i>Panolis flammea</i>
	1	0	0	1	0	0	1	0	0	0	0	0	0	0	1976	Pine Beauty
	1	0	16	—	0	—	0	1	—	0	0	—	0	0	1975	<i>Cerapteryx graminis</i>
	0	1	12	0	0	0	0	6	2	0	0	0	0	0	1976	Antler Moth
	6	0	0	—	0	—	4	32	—	0	0	—	0	0	1975	<i>Erannis aurantiaria</i>
	10	0	0	3	0	6	19	30	73	0	0	0	0	0	1976	Scarce Umber
	0	0	0	—	0	—	23	0	—	0	0	—	0	0	1975	<i>Operophtera fagata</i>
	2	0	0	1	0	4	31	0	0	0	0	0	0	0	1976	Northern Winter Moth
	0	0	0	—	1	—	0	0	—	0	0	—	0	0	1975	<i>Apamea sordens</i>
	0	0	0	0	2	1	0	0	0	0	0	0	0	0	1976	Rustic Shoulder-knot
	0	4	0	—	0	—	0	1	—	4	1	—	0	0	1975	<i>Gortyna flavago</i>
	0	3	0	0	0	0	1	1	2	2	0	0	0	0	1976	Frosted Orange
	1	0	4	—	0	—	0	0	—	27	3	—	9	27	1975	<i>Mamestra brassicae</i>
	3	1	0	0	3	7	0	0	0	11	16	8	22	15	1976	Cabbage Moth
	15	18	14	—	7	—	1	45	—	19	9	—	0	4	1975	<i>Noctua pronuba</i>
	18	31	18	11	2	22	12	76	135	56	4	5	8	4	1976	Large Yellow Underwing
	9	12	0	—	9	—	1	11	—	17	1	—	35	6	1975	<i>Diatraxia oleracea</i>
	18	4	0	0	31	2	6	17	11	7	17	55	67	8	1976	Bright-line Brown-eye
	0	0	0	—	0	—	0	0	—	1	1	—	0	0	1975	<i>Euxoa nigricans</i>
	1	0	0	0	1	0	0	0	0	0	3	0	0	0	1976	Garden Dart
	27	41	0	—	23	—	3	59	—	72	8	—	15	4	1975	<i>Apamea secalis</i>
	79	106	0	17	39	61	4	149	55	25	24	22	20	10	1976	Common Rustic
	4	9	1	—	0	—	0	5	—	9	1	—	0	1	1975	<i>Melanchra persicariae</i>
	3	15	3	3	11	0	0	4	4	16	0	0	0	1	1976	Dot Moth
	17	31	0	—	0	—	7	76	—	2	1	—	3	1	1975	<i>Operophtera brumata</i>
	15	3	0	17	1	3	5	185	401	8	0	0	6	1	1976	Winter Moth

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Pest Species	Year	Ardross	Newton, Elgin	Benbecula	Carbost	Fort Augustus	Banchory	Rannoch	Aros	Dundee	Culzean Castle	Dunblane	Rowandennan	East Craigs	Glentworth	Auchincruive	Waterside Mains
		57	58	345	50	49	342	29	60	47	264	298	97	261	339	293	338
<i>Abraxas grossulariata</i>	1975	0	0	—	58	0	—	0	—	1	—	2	—	0	—	0	—
Magpie Moth	1976	0	0	32	10	0	0	0	6	0	1	4	0	0	0	0	0
<i>Agrotis segetum</i>	1975	0	0	—	0	0	—	0	—	17	—	1	—	1	—	0	—
Turnip Moth	1976	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0
<i>Erannis defoliaria</i>	1975	10	1	—	21	27	—	85	—	6	—	2	—	0	—	0	—
Mottled Umber	1976	1	2	0	4	3	—	33	0	6	2	0	1359	0	1	0	189
<i>Phlogophora meticulosa</i>	1975	0	0	—	0	0	—	0	—	0	—	0	—	0	—	0	—
Angle Shades	1976	0	0	0	1	6	0	3	1	0	0	0	1	0	2	1	5
<i>Alsophila aescularia</i>	1975	1	11	—	0	3	—	0	—	0	—	3	—	0	—	0	—
March Moth	1976	3	2	0	0	7	36	0	0	0	0	0	66	0	1	0	0
<i>Hepialus humuli</i>	1975	1	0	—	2	0	—	0	—	0	—	3	—	2	—	0	—
Ghost Swift	1976	0	1	1	0	0	0	0	1	0	1	0	0	0	1	4	2
<i>Hepialus lupulina</i>	1975	0	0	—	0	0	—	6	—	0	—	0	—	1	—	4	—
Common Swift	1976	1	0	0	0	3	0	14	0	1	0	0	7	0	1	10	14
<i>Agrotis ipsilon</i>	1975	0	1	—	2	1	—	0	—	0	—	0	—	0	—	0	—
Dark Sword Grass	1976	0	0	1	4	1	0	0	0	0	1	0	1	0	1	0	1
<i>Euproctis chrysorrhoea</i>	1975	0	0	—	0	0	—	0	—	0	—	0	—	0	—	0	—
Brown-tail	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agrotis exclamationis</i>	1975	0	9	—	0	0	—	0	—	29	—	8	—	23	—	2	—
Heart and Dart	1976	0	7	0	0	0	0	0	0	41	12	10	0	42	4	16	15
<i>Plusia gamma</i>	1975	4	4	—	2	1	—	1	—	1	—	7	—	3	—	2	—
Silver Y	1976	2	1	0	1	9	1	3	8	7	15	10	2	0	5	2	45
<i>Laphygma exigua</i>	1975	0	0	—	0	0	—	0	—	0	—	0	—	0	—	0	—
Small Mottled Willow	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nycterosea obstipata</i>	1975	0	0	—	1	0	—	0	—	0	—	0	—	0	—	0	—
The Gem	1976	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nomophila noctuella</i>	1975	0	2	—	0	0	—	0	—	0	—	—	—	0	—	0	—
Rush Veneer Pearl	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
<i>Plutella maculipennis</i>	1975	37	18	—	0	13	—	0	—	601	—	—	—	0	—	53	—
Diamond-back Moth	1976	0	0	2	0	0	3	0	8	211	22	0	0	1	0	5	—
<i>Udea ferrugalis</i>	1975	0	0	—	0	0	—	0	—	0	—	—	—	0	—	2	—
Rusty Dot Pearl	1976	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	—

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	Kielder	Rochester	Bedlington	Haltwhistle	Penninghame	Sunderland	Caerlaverock	Newton Stewart	Bridge of Dee	Gatehouse of Fleet	Chester le Street	Moorhouse	Middleton in Teesdale	Bolam	Windermere	Wykeham	Year	Pest Species
	296	278	303	304	325	318	249	326	324	287	39	281	263	312	323	187		
0	0	0	4	0	0	0	1	9	3	0	4	0	1	6	0	3	1975	<i>Abraxas grossulariata</i>
0	0	0	0	0	7	0	0	4	1	0	0	0	0	0	0	1	1976	Magpie Moth
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1975	<i>Agrotis segetum</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	Turnip Moth
17	—	—	—	—	—	—	3	—	—	57	0	—	5	—	—	15	1975	<i>Erannis defoliaria</i>
43	16	2	1	—	—	0	1	0	102	23	0	0	9	3	88	—	1976	Mottled Umber
0	—	—	—	—	—	—	1	—	—	1	0	—	3	—	—	0	1975	<i>Phlogophora meticulosa</i>
2	4	0	6	2	0	0	1	2	2	5	0	0	9	1	31	1	1976	Angle Shades
0	—	—	—	—	—	—	5	—	—	33	1	—	2	—	—	3	1975	<i>Alsophila aescularia</i>
0	0	0	0	0	15	0	9	1	31	48	1	0	4	3	5	3	1976	March Moth
4	—	—	—	—	—	—	2	—	—	2	0	—	1	—	—	2	1975	<i>Hepialus humuli</i>
0	1	1	0	0	0	0	1	2	2	0	1	4	0	2	0	3	1976	Ghost Swift
0	—	—	—	—	—	—	0	—	—	0	1	—	0	—	—	5	1975	<i>Hepialus lupulina</i>
2	0	16	0	0	0	0	0	0	0	1	0	0	0	10	0	1	1976	Common Swift
1	—	—	—	—	—	—	0	—	—	0	0	—	2	—	—	0	1975	<i>Agrotis ipsilon</i>
0	3	0	1	0	0	0	2	0	1	3	0	0	10	0	11	0	1976	Dark Sword Grass
0	—	—	—	—	—	—	0	—	—	0	0	—	0	—	—	0	1975	<i>Euproctis chrysorrhoea</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	Brown-tail
0	—	—	—	—	—	—	6	—	—	2	18	—	0	—	—	10	1975	<i>Agrotis exclamationis</i>
2	0	49	0	10	0	0	14	48	9	7	41	0	11	13	59	40	1976	Heart and Dart
4	—	—	—	—	—	—	4	—	—	9	58	—	299	—	—	8	1975	<i>Plusia gamma</i>
8	5	3	20	6	0	0	3	6	48	28	54	2	240	79	17	6	1976	Silver Y
0	—	—	—	—	—	—	0	—	—	0	0	—	0	—	—	0	1975	<i>Laphygma exigua</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	Small Mottled Willow
0	—	—	—	—	—	—	1	—	—	0	0	—	0	—	—	0	1975	<i>Nycterosea obstipata</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	The Gem
0	—	—	—	—	—	—	6	—	—	2	0	—	0	—	—	5	1975	<i>Nomophila noctuella</i>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	Rush Veneer Pearl
8	—	—	—	—	—	—	0	—	—	23	0	—	0	—	—	0	1975	<i>Plutella maculipennis</i>
1	4	2	5	1	0	0	0	4	1	0	0	0	0	10	0	0	1976	Diamond-back Moth
0	—	—	—	—	—	—	8	—	—	7	0	—	0	—	—	0	1975	<i>Udea ferrugalis</i>
0	0	0	0	0	6	0	0	2	11	5	0	0	0	0	0	0	1976	Rusty Dot Pearl

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Pest Species	Year	Tow Hill	Baldersby	Leighton Moss	Castletown I.O.M.	Malham	Harrogate	Hayton	Blacktoft Sands	Spurn Head	Barnsley	East Didsbury	Riseholme	Bangor	Gleadthorpe	Denbigh	Matlock
		116	315	133	306	45	68	291	330	131	157	269	96	35	257	242	279
<i>Abraxas grossulariata</i>	1975	1	—	2	22	0	5	12	—	0	7	0	2	0	0	27	34
Magpie Moth	1976	0	12	6	11	0	6	22	10	2	6	0	2	0	0	11	31
<i>Agrotis segetum</i>	1975	0	—	0	62	0	0	1	—	0	0	0	3	1	2	0	0
Turnip Moth	1976	0	3	0	3	0	0	3	3	0	0	0	2	0	22	0	1
<i>Erannis defoliaria</i>	1975	11	—	40	10	50	2	13	—	0	2	0	5	0	1	2	0
Mottled Umber	1976	9	5	8	15	11	2	4	3	0	—	1	12	0	5	2	3
<i>Phlogophora meticulosa</i>	1975	0	—	4	9	1	0	4	—	3	0	1	1	8	3	0	2
Angle Shades	1976	3	10	4	17	4	0	8	12	4	1	0	2	3	13	3	2
<i>Alsophila aescularia</i>	1975	0	—	32	0	0	0	11	—	0	5	0	2	1	3	1	1
March Moth	1976	0	8	18	0	0	4	6	5	0	5	1	3	0	3	0	3
<i>Hepialus humuli</i>	1975	17	—	3	0	1	0	2	—	0	0	0	0	0	3	0	0
Ghost Swift	1976	9	0	3	0	2	0	4	2	0	4	0	0	1	1	0	1
<i>Hepialus lupulina</i>	1975	0	—	0	1	0	3	4	—	31	15	2	1	0	5	0	0
Common Swift	1976	0	1	0	0	5	11	27	83	199	122	5	5	0	8	0	13
<i>Agrotis ipsilon</i>	1975	0	—	1	0	0	0	0	—	0	0	0	0	1	0	0	0
Dark Sword Grass	1976	4	4	2	1	1	0	0	1	4	0	0	4	1	2	0	0
<i>Euproctis chrysorrhoea</i>	1975	0	—	0	0	0	0	0	—	0	0	0	0	0	0	0	0
Brown-tail	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agrotis exclamatoris</i>	1975	1	—	11	310	0	3	21	—	44	15	22	47	66	47	15	14
Heart and Dart	1976	1	24	83	626	0	5	39	34	98	71	86	84	154	140	27	62
<i>Plusia gamma</i>	1975	3	—	19	70	28	28	31	—	60	24	2	100	7	10	52	30
Silver Y	1976	13	132	35	109	48	16	25	10	182	43	1	35	3	18	63	9
<i>Laphygma exigua</i>	1975	0	—	0	0	0	0	0	—	0	0	0	0	0	0	0	0
Small Mottled Willow	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nycterosea obstipata</i>	1975	0	—	1	0	0	0	0	—	0	0	1	0	0	0	0	0
The Gem	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nomophila noctuella</i>	1975	0	—	0	0	0	0	0	—	0	0	0	0	0	0	0	0
Rush Veneer Pearl	1976	0	0	0	0	0	0	0	—	1	0	0	0	0	0	0	0
<i>Plutella maculipennis</i>	1975	2	—	0	0	0	0	6	—	282	48	0	102	4	75	6	41
Diamond-back Moth	1976	0	31	1	0	0	0	0	—	76	81	0	31	2	28	1	151
<i>Udea ferrugalis</i>	1975	1	—	0	0	0	0	0	—	0	0	0	0	0	0	1	0
Rusty Dot Pearl	1976	0	0	0	0	0	0	0	—	0	0	0	0	0	0	0	0

ROTHAMSTED INSECT SURVEY

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	Gibraltar Point	Hope Mountain	Nantclwyd	Empingham	Caythorpe	Wells next the Sea	Glyn Ceiriog	Shardlow	Stoke on Tern	Sutton Bonnington	Thorpe in the Glebe	Sutton Bonnington	Terrington	Rowton	Pallaskerry	Norwich	Year	Pest Species
	223	245	243	280	202	274	244	310	321	201	160	168	216	154	207	128		
	0	11	—	21	3	11	33	2	—	2	61	2	1	—	—	1	1975	<i>Abraxas grossulariata</i>
	0	3	25	18	5	22	19	0	39	0	14	0	2	64	55	0	1976	Magpie Moth
	0	0	—	3	3	2	0	1	—	0	2	1	2	—	—	0	1975	<i>Agrotis segetum</i>
	1	0	1	22	13	5	0	0	0	3	2	16	7	0	0	0	1976	Turnip Moth
	0	2	—	0	0	0	15	0	—	0	—	0	0	—	—	0	1975	<i>Erannis defoliaria</i>
	3	9	62	5	2	0	64	1	4	4	—	2	1	2	0	0	1976	Mottled Umber
	3	1	—	11	0	2	0	1	—	0	4	0	1	—	—	0	1975	<i>Phlogophora meticulosa</i>
	7	3	2	9	2	2	9	1	6	5	4	1	4	0	2	0	1976	Angle Shades
	0	0	—	1	5	1	4	2	—	5	31	2	0	—	—	0	1975	<i>Alsophila aescularia</i>
	1	0	3	8	8	1	7	4	14	9	21	7	8	41	0	0	1976	March Moth
	0	1	—	4	0	0	1	0	—	0	1	0	0	—	—	0	1975	<i>Hepialus humuli</i>
	0	4	1	0	0	0	3	1	0	0	3	1	0	4	2	0	1976	Ghost Swift
	1	1	—	22	0	14	1	11	—	1	33	31	2	—	—	0	1975	<i>Hepialus lupulina</i>
	35	1	2	73	12	28	1	20	3	12	77	72	33	21	0	0	1976	Common Swift
	0	0	—	0	0	0	0	0	—	0	0	0	0	—	—	0	1975	<i>Agrotis ipsilon</i>
	5	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1976	Dark Sword Grass
	0	0	—	0	0	0	0	0	—	0	0	0	0	—	—	0	1975	<i>Euproctis chrysorrhoea</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	Brown-tail
	22	8	—	147	25	8	24	68	—	31	13	104	8	—	—	0	1975	<i>Agrotis exclamationis</i>
	118	50	235	451	145	23	225	178	231	218	83	378	11	85	63	2	1976	Heart and Dart
	105	12	—	197	18	17	17	16	—	43	76	35	13	—	—	6	1975	<i>Plusia gamma</i>
	63	6	24	142	15	14	24	4	30	51	13	15	8	12	0	0	1976	Silver Y
	0	0	—	0	0	0	0	0	—	0	0	0	0	—	—	0	1975	<i>Laphygma exigua</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	Small Mottled Willow
	0	0	—	0	0	0	0	0	—	0	0	0	0	—	—	0	1975	<i>Nycterosea obstipata</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	The Gem
	0	0	—	0	0	0	0	0	—	0	0	0	0	—	—	0	1975	<i>Nomophila noctuella</i>
	0	0	0	0	0	0	0	0	—	0	0	0	0	—	0	0	1976	Rush Veneer Pearl
	0	2	—	46	23	0	1	81	—	68	0	26	262	—	—	35	1975	<i>Plutella maculipennis</i>
	0	1	0	101	5	0	3	146	—	40	0	7	161	—	1	4	1976	Diamond-back Moth
	1	0	—	0	1	0	1	0	—	0	0	0	0	—	—	0	1975	<i>Udea ferrugalis</i>
	0	0	0	0	0	0	0	0	—	0	0	0	0	—	11	0	1976	Rusty Dot Pearl

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Pest Species	Year	Wolverhampton	Methwold Fen	Staylittle	Holme Fen	Santon Downham	Aberystwyth	Monks Wood	Monks Wood (Ewingswode)	Pontrhydfendigaid	Broom's Barn	Tregaron	Llysdinam	Cockayne Hatley	Hereford	Cardigan	Pershore
		267	301	226	109	259	126	94	277	333	88	331	111	336	212	236	195
<i>Abraxas grossulariata</i>	1975	0	2	1	5	0	37	12	71	—	3	—	15	—	11	54	9
Magpie Moth	1976	0	0	3	0	1	3	1	61	44	1	52	10	4	3	27	2
<i>Agrotis segetum</i>	1975	0	17	0	32	5	0	0	0	—	4	—	0	—	0	0	14
Turnip Moth	1976	1	79	0	14	8	0	3	37	0	19	1	0	54	0	0	55
<i>Erannis defoliaria</i>	1975	0	0	17	0	4	0	0	61	—	0	—	51	—	5	1	9
Mottled Umber	1976	0	1	262	2	16	2	1	142	66	5	652	198	1	2	1	21
<i>Phlogophora meticulosa</i>	1975	1	9	0	9	4	1	1	25	—	3	—	0	—	1	1	3
Angle Shades	1976	0	12	0	9	2	7	3	9	7	0	21	5	1	2	1	11
<i>Alsophila aescularia</i>	1975	0	23	1	5	27	2	1	83	—	4	—	9	—	12	2	38
March Moth	1976	0	35	5	11	32	0	4	168	10	9	66	45	14	21	0	50
<i>Hepialus humuli</i>	1975	0	4	0	0	0	1	1	1	—	0	—	1	—	1	1	4
Ghost Swift	1976	0	2	0	0	2	2	1	4	3	0	0	4	2	0	5	1
<i>Hepialus lupulina</i>	1975	0	11	0	2	1	0	0	6	—	0	—	0	—	0	1	4
Common Swift	1976	0	74	0	2	4	0	1	33	0	2	0	0	35	0	5	30
<i>Agrotis ipsilon</i>	1975	0	0	0	0	0	0	0	0	—	0	—	0	—	0	1	0
Dark Sword Grass	1976	0	2	1	0	0	1	0	2	3	0	27	1	0	0	0	0
<i>Euproctis chrysorrhoea</i>	1975	0	0	0	0	0	0	0	0	—	0	—	0	—	0	0	0
Brown-tail	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agrotis exclamationis</i>	1975	1	19	0	27	36	5	7	22	—	16	—	4	—	46	112	101
Heart and Dart	1976	8	67	19	87	27	571	100	74	125	14	168	98	73	580	567	326
<i>Plusia gamma</i>	1975	1	137	0	61	59	2	12	62	—	20	—	17	—	6	30	9
Silver Y	1976	1	58	4	8	17	9	4	36	98	9	20	9	3	4	23	18
<i>Laphygma exigua</i>	1975	0	0	0	0	0	0	0	0	—	0	—	0	—	0	0	0
Small Mottled Willow	1976	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Nycterosea obstipata</i>	1975	0	0	0	0	0	0	0	0	—	0	—	0	—	0	1	0
The Gem	1976	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Nomophila noctuella</i>	1975	0	0	0	1	0	0	0	0	—	0	—	—	—	0	0	0
Rush Veneer Pearl	1976	0	—	0	0	0	0	1	0	1	0	—	—	0	0	2	0
<i>Plutella maculipennis</i>	1975	1	119	2	1	5	39	0	0	—	135	—	—	—	22	6	2
Diamond-back Moth	1976	0	—	1	0	0	0	0	0	20	265	—	—	244	5	4	10
<i>Udea ferrugalis</i>	1975	0	0	0	2	0	2	0	0	—	0	—	—	—	0	5	0
Rusty Dot Pearl	1976	0	—	2	0	1	0	0	0	1	0	—	—	0	1	9	0

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	Shuttleworth	Howe Park	Trelech	Capel Isaac	Woodstock	Rothamsted (Barnfield)	Rothamsted (Allotments)	Rothamsted (Geescroft)	Wickham Bishops	Wytham	Writtle	Dale Fort	Whiteford	Chigwell Row	Westonbirt	Gower	Year	Pest Species
	283	170	233	232	182	1	34	22	120	367	87	17	332	305	292	213		
	4	—	151	119	—	4	1	27	81	3	15	—	—	—	0	19	1975	<i>Abraxas grossulariata</i>
	0	106	133	161	6	1	0	14	77	0	12	49	29	3	2	14	1976	Magpie Moth
	1	—	0	0	—	4	0	4	7	2	17	—	—	—	0	0	1975	<i>Agrotis segetum</i>
	4	28	1	0	32	11	8	72	14	22	22	4	1	4	0	0	1976	Turnip Moth
	6	—	15	51	—	0	0	52	5	0	0	—	—	—	27	33	1975	<i>Erannis defoliaria</i>
	6	30	11	126	0	0	0	37	14	0	0	2	3	0	96	11	1976	Mottled Umber
	2	—	2	3	—	0	1	9	6	0	13	—	—	—	6	3	1975	<i>Phlogophora meticulosa</i>
	0	2	14	2	3	1	0	5	2	1	2	22	5	3	4	8	1976	Angle Shades
	20	—	7	35	—	2	0	20	37	0	11	—	—	—	5	23	1975	<i>Alsophila aescularia</i>
	19	0	21	41	0	1	0	17	29	0	3	1	6	0	1	3	1976	March Moth
	0	—	1	1	—	0	0	0	1	0	0	—	—	—	1	0	1975	<i>Hepialus humuli</i>
	0	0	13	3	0	0	0	1	2	0	0	0	7	0	0	1	1976	Ghost Swift
	9	—	0	0	—	5	0	1	27	4	8	—	—	—	0	0	1975	<i>Hepialus lupulina</i>
	19	28	0	0	8	13	8	12	84	7	16	18	4	31	0	2	1976	Common Swift
	0	—	0	0	—	0	0	0	0	1	0	—	—	—	0	0	1975	<i>Agrotis ipsilon</i>
	0	1	12	0	0	0	0	0	1	1	1	6	3	0	0	0	1976	Dark Sword Grass
	0	—	0	0	—	0	0	0	0	0	3	—	—	—	0	0	1975	<i>Euproctis chrysorrhoea</i>
	0	0	0	0	0	0	0	0	5	0	2	0	0	0	0	0	1976	Brown-tail
	85	—	4	16	—	51	9	30	61	48	235	—	—	—	13	56	1975	<i>Agrotis exclamationis</i>
	103	547	68	111	173	124	96	495	55	258	159	342	816	57	62	180	1976	Heart and Dart
	23	—	65	14	—	16	4	21	44	99	298	—	—	—	86	87	1975	<i>Plusia gamma</i>
	3	69	18	8	21	9	3	17	22	4	72	19	38	35	20	33	1976	Silver Y
	0	—	0	0	—	0	0	0	0	0	0	—	—	—	0	0	1975	<i>Laphygma exigua</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	Small Mottled Willow
	0	—	0	0	—	0	0	0	0	0	0	—	—	—	0	0	1975	<i>Nyctosea obstipata</i>
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	The Gem
	0	—	0	0	—	0	0	0	0	0	0	—	—	—	0	0	1975	<i>Nomophila noctuella</i>
	0	0	0	0	0	0	0	0	0	0	0	7	—	0	0	0	1976	Rush Veneer Pearl
	78	—	0	0	—	593	452	2	26	0	155	—	—	—	0	0	1975	<i>Plutella maculipennis</i>
	40	0	0	0	0	548	576	6	1	0	34	16	—	10	0	0	1976	Diamond-back Moth
	2	—	0	0	—	0	0	0	0	0	2	—	—	—	0	0	1975	<i>Udea ferrugalis</i>
	1	0	1	0	0	0	0	0	0	0	1	49	—	0	0	0	1976	Rusty Dot Pearl

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Pest Species	Year	Ilford	Cleppa Park	Hurley	Lambourn	Whiteknights	Stratfield Mortimer	Bath	Windsor	East Mallory	Wisley	Pirbright	Wye	Alice Holt	Nettlecombe Court	Winchester
		299	228	180	328	361	16	130	171	178	289	179	181	46	92	285
<i>Abraxas grossulariata</i>	1975	0	1	13	—	—	28	0	0	1	—	0	27	0	4	12
Magpie Moth	1976	2	0	3	0	0	9	0	0	0	0	0	31	0	3	1
<i>Agrotis segetum</i>	1975	5	1	1	—	—	1	0	0	0	—	2	2	1	0	0
Turnip Moth	1976	12	0	2	0	2	5	0	3	6	6	2	12	3	15	1
<i>Erannis defoliaria</i>	1975	0	0	7	—	—	19	0	51	1	—	1	11	38	24	1
Mottled Umber	1976	0	0	25	2	4	13	0	76	2	18	6	24	82	37	0
<i>Phlogophora meticulosa</i>	1975	6	0	0	—	—	0	4	3	4	—	1	9	2	2	1
Angle Shades	1976	6	3	1	1	0	0	0	1	1	2	0	5	1	14	3
<i>Alsophila aescularia</i>	1975	0	1	7	—	—	11	0	0	0	—	14	40	5	17	2
March Moth	1976	0	1	10	5	2	15	0	8	1	9	2	40	20	8	1
<i>Hepialus humuli</i>	1975	0	0	0	—	—	1	0	0	1	—	0	0	1	0	0
Ghost Swift	1976	0	0	0	2	0	0	0	0	2	0	1	0	2	0	0
<i>Hepialus lupulina</i>	1975	0	0	0	—	—	2	0	3	1	—	4	9	0	0	1
Common Swift	1976	0	0	15	39	48	5	0	7	4	0	5	20	2	0	2
<i>Agrotis ipsilon</i>	1975	0	0	0	—	—	0	0	0	0	—	0	1	1	2	0
Dark Sword Grass	1976	0	0	1	1	0	1	0	0	0	1	0	0	0	2	0
<i>Euproctis chrysorrhoea</i>	1975	1	0	0	—	—	0	0	0	0	—	0	0	0	0	0
Brown-tail	1976	7	0	0	0	0	0	0	0	16	0	0	1	0	0	0
<i>Agrotis exclamatoris</i>	1975	32	37	22	—	—	21	61	36	16	—	18	206	15	78	32
Heart and Dart	1976	109	622	119	167	40	88	155	111	16	106	197	325	210	725	248
<i>Plusia gamma</i>	1975	53	2	10	—	—	21	1	70	7	—	4	71	24	179	41
Silver Y	1976	42	8	2	3	9	8	2	29	3	28	1	19	33	45	14
<i>Laphygma exigua</i>	1975	0	0	0	—	—	0	0	0	0	—	0	0	0	0	0
Small Mottled Willow	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nycterosea obstipata</i>	1975	0	0	0	—	—	0	0	0	0	—	0	0	0	1	0
The Gem	1976	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nomophila noctuella</i>	1975	0	0	0	—	—	1	0	0	0	—	—	0	3	1	3
Rush Veneer Pearl	1976	0	0	0	0	0	0	0	0	0	2	0	0	4	—	1
<i>Plutella maculipennis</i>	1975	4	207	23	—	—	0	0	84	660	—	—	309	95	10	595
Diamond-back Moth	1976	1	137	1	40	0	2	0	4	640	490	20	11	54	—	27
<i>Udea ferrugalis</i>	1975	0	0	0	—	—	1	0	0	0	—	—	0	1	0	2
Rusty Dot Pearl	1976	0	1	0	1	0	0	0	0	0	0	0	7	1	—	0

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	Haslemere	Great Torrington															
	219	186	256	319	220	335	163	266	308	67	114	227	252	146	Year	Pest Species	
	0	43	6	—	40	—	1	2	—	8	11	—	29	1	1975	<i>Abraxas grossulariata</i>	
	0	54	9	1	22	0	1	1	0	0	7	75	47	5	1976	Magpie Moth	
	0	1	0	—	0	—	0	0	—	0	2	—	4	5	1975	<i>Agrotis segetum</i>	
	2	0	0	2	3	8	0	10	21	3	8	0	14	0	1976	Turnip Moth	
	8	4	0	—	0	—	3	43	—	6	1	—	0	0	1975	<i>Erannis defoliaria</i>	
	14	2	0	4	0	45	19	78	145	2	0	0	0	0	1976	Mottled Umber	
	2	0	9	—	1	—	1	4	—	4	2	—	2	1	1975	<i>Phlogophora meticulosa</i>	
	2	3	5	5	2	3	1	8	15	6	1	2	0	0	1976	Angle Shades	
	7	6	0	—	0	—	0	43	—	15	3	—	0	4	1975	<i>Alsophila aescularia</i>	
	11	7	0	10	0	8	3	29	34	9	1	0	0	6	1976	March Moth	
	0	1	0	—	1	—	0	0	—	3	2	—	0	0	1975	<i>Hepialus humuli</i>	
	0	1	0	7	0	0	0	1	0	1	3	0	0	0	1976	Ghost Swift	
	1	0	12	—	0	—	0	0	—	0	0	—	0	0	1975	<i>Hepialus lupulina</i>	
	0	3	79	10	2	0	1	1	0	1	3	0	2	0	1976	Common Swift	
	0	3	0	—	0	—	0	2	—	4	2	—	0	0	1975	<i>Agrotis ipsilon</i>	
	0	2	0	0	2	1	0	7	18	0	0	2	0	1	1976	Dark Sword Grass	
	0	0	6	—	0	—	0	0	—	0	0	—	0	0	1975	<i>Euproctis chrysorrhoea</i>	
	0	0	7	0	0	0	0	0	0	0	0	2	0	0	1976	Brown-tail	
	35	203	88	—	22	—	11	81	—	334	102	—	30	39	1975	<i>Agrotis exclamationis</i>	
	148	2226	199	420	203	206	639	2472	12489	4094	997	203	213	144	1976	Heart and Dart	
	26	53	94	—	20	—	22	71	—	75	39	—	13	35	1975	<i>Plusia gamma</i>	
	24	33	38	9	7	45	3	14	18	15	24	13	7	18	1976	Silver Y	
	0	0	0	—	0	—	0	0	—	0	0	—	0	0	1975	<i>Laphygma exigua</i>	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	Small Mottled Willow	
	0	0	0	—	0	—	0	1	—	3	0	—	0	2	1975	<i>Nycterosea obstipata</i>	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1976	The Gem	
	0	1	0	—	0	—	7	0	—	33	44	—	11	37	1975	<i>Nomophila noctuella</i>	
	2	—	0	—	0	1	0	0	0	4	2	1	1	3	1976	Rush Veneer Pearl	
	51	64	0	—	53	—	75	0	—	280	1034	—	264	255	1975	<i>Plutella maculipennis</i>	
	49	—	0	—	66	0	8	0	0	3	725	11	707	96	1976	Diamond-back Moth	
	0	5	0	—	0	—	1	0	—	14	55	—	8	11	1975	<i>Udea ferrugalis</i>	
	0	—	0	—	0	0	1	0	0	5	20	107	4	3	1976	Rusty Dot Pearl	

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE 3

Belfast

*The Rothamsted Insect Survey—Suction Traps: four-weekly total catches
of aphids of economic, or other, interest 1977*

Week Numbers	13-16	17-20	21-24	25-28	29-32	33-36	37-40	41-44
<i>Acyrtosiphon pisum</i>				2	62	3		
<i>Aphis fabae</i> grp.				3	8	68	66	6
<i>Aphis</i> spp.			1			5	4	
<i>Amphorophora rubi</i>								1
<i>Aulacorthum solani</i>			5	1		1		1
<i>Brachycaudus helichrysi</i>			40	45	18	7	44	
<i>Brevicoryne brassicae</i>								
<i>Cavariella aegopodii</i>			28	42	12	1		4
<i>Cinara</i> spp.								
<i>Drepanosiphum platanoidis</i>			1	31	1	3	81	26
<i>Dysaphis plantaginea</i>				1		1	5	2
<i>Elatobium abietinum</i>			35	1				
<i>Eriosoma ulmi</i>				8			6	5
<i>Hyalopterus pruni</i>				11	29	27	19	
<i>Hyperomyzus lactucae</i>			1		5	4	1	
<i>Macrosiphum euphorbiae</i>			8	8	192	32	12	2
<i>Megoura viciae</i>								
<i>Metopolophium dirhodum</i>				5	51	4	12	7
<i>Metopolophium festucae</i>				1				1
<i>Myzus ascalonicus</i>			13			1		
<i>Myzus certus</i>								
<i>Myzus ornatus</i>			1	2		1	1	1
<i>Myzus persicae</i> grp.			1	3	6	17	8	3
<i>Nasonovia ribis nigri</i>			1	2	3		3	
<i>Pemphigus</i> spp.			1	10	2	4	22	26
<i>Pentatrichopus fragaefolii</i>								
<i>Phorodon humuli</i>				2	2			
<i>Phyllaphis fagi</i>			1	1	1			
<i>Rhopalosiphum insertum</i>				1	6	1	82	113
<i>Rhopalosiphum maidis</i>				2	1			
<i>Rhopalosiphum padi</i>			27	9	214	570	5869	6178
<i>Sitobion avenae</i>				17	665	173	5	1
<i>Sitobion fragariae</i>			2	50	54	16	22	121