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ROTHAMSTED
RESEARCH

Rothamsted Experimental Station Report for 1977 Part 2

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EXPERIMENTAL STATION
REPORT FOR 1977
PART 2
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Rothamsted Insect Survey - Ninth Annual Summary

L. R. Taylor and R. A. French

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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 Pathead 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> | | | | | | | | | | 3 | | |
| <i>Sitobion avenae</i> | | | | | | | | | | | | |
| <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 | | | | | | | | | | | | |
|-----------------------------------|----------|--------|-----------|--------------|------------|-----------|----------------|---------|----------|-------------|--------------|----------|
| Species | Elgin | Dundee | Edinburgh | Auchincruive | Copenhagen | Newcastle | High Mowthorpe | Preston | Shardlow | Aberystwyth | Broom's Barn | Hereford |
| <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. | | | | | | | | | | | | 1 |
| <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> | | | | | | | | | | | | |
| <i>Sitobion avenae</i> | | | | | 4 | | | | | | 1 | 1 |
| <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

| | | | | | | | | | | | Sites |
|------------------|---------|----------|-------------|--------------|---------|-------------|-----------|------------|-----------|-----------|-----------------------------------|
| Rothamsted Tower | Writtle | Rainham | Long Ashton | Silwood Park | Zeeland | N.E. Polder | Wye, Kent | North Farm | Starcross | Rosewarne | |
| | | | | | | | | | | | Species |
| | | | | | | | | | | | <i>Acyrtosiphon pisum</i> |
| | | | | | | | | | | | <i>Aphis fabae</i> grp. |
| | | | | | | | | | | | <i>Aphis</i> spp. |
| | | | | | | | | | | | <i>Amphorophora rubi</i> |
| | | | 1 | | | | | | | | <i>Aulacorthum solani</i> |
| | | | 3 | | | | | | | | <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 | | | | | | | <i>Hyperomyzus lactucae</i> |
| | | | 2 | | | | | | 1 | | <i>Macrosiphum euphorbiae</i> |
| | | | | 1 | | 2 | | | | | <i>Megoura viciae</i> |
| | | | | | | | | | | | <i>Metopolophium dirhodum</i> |
| 1 | 2 | 9 | | 1 | | 12 | 1 | | | | <i>Metopolophium festucae</i> |
| | | 1 | | | | | | | | | <i>Myzus ascalonicus</i> |
| | | | | 1 | | | | | 1 | 1 | <i>Myzus certus</i> |
| | | | | | | | | | 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> |
| | | | | | | | | | | | <i>Sitobion avenae</i> |
| | | | | | | | | | 1 | | <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 | Auchincruive | 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

| | | | | | | | | | | | Sites |
|------------------|---------|---------|-------------|--------------|---------|-------------|-----------|------------|-----------|-----------|-----------------------------------|
| Rothamsted Tower | Writtle | Rainham | Long Ashton | Silwood Park | Zeeland | N.E. Polder | Wye, Kent | North Farm | Starcross | Rosewarne | Species |
| 3 | | 17 | 3 | 5 | 18 | 3 | 2 | 39 | 3 | | <i>Acyrtosiphon pisum</i> |
| 1 | 2 | 4 | 1 | 6 | 15 | 7 | 2 | 3 | 2 | 1 | <i>Aphis fabae</i> grp. |
| | 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> |
| | | 2 | | | | 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>Pentatrachopus 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—

| Species | Elgin | Dundee | Edinburgh | Auchincruive | Copenhagen | Newcastle | High Mowthorpe | Preston | Shardlow | Aberystwyth | Broom's Barn | Hereford |
|-----------------------------------|-------|--------|-----------|--------------|------------|-----------|----------------|---------|----------|-------------|--------------|----------|
| <i>Acyrtosiphon pisum</i> | 1 | 4 | 1 | | 18 | | | 3 | 5 | 4 | 19 | 3 |
| <i>Aphis fabae</i> grp. | 1 | 1 | 2 | | | 1 | | | 2 | 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>Pentatrachopus 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 |
|------------------|---------|---------|-------------|--------------|---------|-------------|-----------|------------|-----------|-----------|-----------------------------------|
| Rothamsted Tower | Writtle | Rainham | Long Ashton | Silwood Park | Zeeland | N.E. Polder | Wye, Kent | North Farm | Starcross | Rosewarne | Species |
| 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>Brachucaudus 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—

| Species | Elgin | Dundee | Edinburgh | Auchincruive | Copenhagen | Newcastle | High Mowthorpe | Preston | Shardlow | Aberystwyth | Brooms Barn | Hereford |
|-----------------------------------|-------|--------|-----------|--------------|------------|-----------|----------------|---------|----------|-------------|-------------|----------|
| <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 nigri</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 | 4 | <i>Acyrtosiphon pisum</i> |
| 877 | 4114 | 352 | 183 | 1298 | 128 | 459 | 886 | 160 | 148 | 6 | 6 | <i>Aphis fabae</i> grp. |
| 118 | 246 | 68 | 147 | 156 | 14 | 11 | 149 | 25 | 47 | 3 | 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 | 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 | 19 | <i>Cavariella aegopodii</i> |
| | | | | 2 | | 2 | | | 2 | | | <i>Cinara</i> spp. |
| 6 | 52 | | 4 | 28 | 6 | 1216 | 36 | 51 | 22 | 5 | 5 | <i>Drepanosiphum platanoidis</i> |
| 7 | 4 | 6 | 7 | 2 | 1 | 1 | 7 | | 2 | 1 | 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 | 12 | <i>Hyalopterus pruni</i> |
| 54 | 94 | 14 | 19 | 80 | 4 | 3 | 51 | 15 | 61 | 3 | 3 | <i>Hyperomyzus lactucae</i> |
| 64 | 86 | 28 | 41 | 26 | 1 | 5 | 31 | 8 | 133 | 6 | 6 | <i>Macrosiphum euphorbiae</i> |
| | | | | | | | | | | | | <i>Megoura viciae</i> |
| 329 | 516 | 432 | 52 | 298 | 99 | 86 | 110 | 88 | 254 | 24 | 24 | <i>Metopolophium dirhodum</i> |
| 19 | 16 | 4 | | 20 | 2 | 13 | 10 | 8 | 3 | 2 | 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 | 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 | 1 | <i>Pemphigus</i> spp. |
| | | | | | | | | | 2 | | | <i>Pentatrichopus fragaefolii</i> |
| 2964 | 6300 | 488 | 214 | 1450 | 169 | 61 | 1065 | 118 | 257 | 1 | 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 | 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 | 1338 | <i>Rhopalosiphum padi</i> |
| 2012 | 2848 | 778 | 606 | 2682 | 193 | 1244 | 2309 | 575 | 2295 | 251 | 251 | <i>Sitobion avenae</i> |
| 10 | 40 | 8 | 39 | 20 | 12 | 8 | 17 | 10 | 61 | 5 | 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> | | | | | | | | | | | 2 | |
| <i>Eriosoma ulmi</i> | | | 1 | | | | | | | | | |
| <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 | 212 | 1249 | 200 | 29 | 135 | 2 | | <i>Eriosoma ulmi</i> |
| 5 | | | 15 | 3 | 2 | | 2 | | 4 | | | <i>Hyalopterus pruni</i> |
| | 7 | 2 | 20 | 1 | | 2 | 2 | | 3 | | | <i>Hyperomyzus lactucae</i> |
| | | | | | | | 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> |
| | | | | 1 | 1 | 2 | | 1 | 1 | | | <i>Metopolophium festucae</i> |
| | | | 2 | | | | | | | | | <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> | | | | | | | | | | | | |
| <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>Pentatrachopus fragaefolii</i> | | | | | | | | | | | | |
| <i>Phorodon humuli</i> | | | | | | | | | | | | 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 | 202 | 3 | 4 | 3 | 2 | 7 | <i>Aphis fabae</i> grp. |
| | | | | | 1 | | | 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 | 44 | 3 | | 1 | 6 | | <i>Brachycaudus helichrysi</i> |
| 3 | 2 | 1 | 3 | | 27 | 11 | 6 | 2 | | | <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> |
| | 2 | 14 | 1 | 1 | 21 | 13 | 1 | 1 | | | <i>Dysaphis plantaginea</i> |
| 10 | 10 | 70 | 4 | 9 | 50 | 362 | 34 | 28 | 5 | 4 | <i>Elatobium abietinum</i> |
| | | 1 | | | 2 | 1 | | | 1 | | <i>Eriosoma ulmi</i> |
| | | | 5 | 9 | 1 | 3 | 3 | 1 | 2 | 3 | <i>Hyalopterus pruni</i> |
| 1 | | | 4 | 2 | 12 | 25 | 3 | 2 | | | <i>Hyperomyzus lactucae</i> |
| | | | | | | | | | | | <i>Macrosiphum euphorbiae</i> |
| | | | | | | | | | | | <i>Megoura viciae</i> |
| | | | | | | | | | | | <i>Metapolophium dirhodum</i> |
| | | | | | | | | | | | <i>Metapolophium festucae</i> |
| | | | | 1 | 1 | 1 | | | | | <i>Myzus ascalonicus</i> |
| | | | | 1 | | | | | | | <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>Pentatrachopus fragaefolii</i> |
| | | | 2 | | | | | | | | <i>Phorodon humuli</i> |
| 331 | 1 | 147 | 174 | 335 | 592 | 8108 | 493 | 177 | 174 | 64 | <i>Phyllaphis fagi</i> |
| 1 | 263 | | | | | | | 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

1(h)

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 | 1 | | <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 | Ardrross | 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> Rosy Rustic | 1975 | 52 | 65 | — | 62 | 26 | — | 75 | — | 8 | — | 28 | — | 27 | — | 17 | — |
| | 1976 | 102 | 166 | 7 | 53 | 26 | 105 | 80 | 227 | 9 | 64 | 4 | 4 | 16 | 115 | 14 | 187 |
| <i>Bupalus piniaria</i> Bordered White | 1975 | 0 | 0 | — | 0 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 2 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Panolis flammea</i> Pine Beauty | 1975 | 0 | 1 | — | 0 | 3 | — | 1 | — | 0 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 0 | 0 | 1 | 21 | 0 | 4 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Cerapteryx graminis</i> Antler Moth | 1975 | 40 | 28 | — | 155 | 155 | — | 115 | — | 30 | — | 71 | — | 25 | — | 57 | — |
| | 1976 | 84 | 14 | 77 | 100 | 75 | 50 | 95 | 183 | 19 | 57 | 30 | 5 | 22 | 82 | 13 | 64 |
| <i>Erannis aurantiaria</i> Scarce Umber | 1975 | 51 | 17 | — | 11 | 66 | — | 267 | — | 0 | — | 1 | — | 0 | — | 0 | — |
| | 1976 | 15 | 8 | 0 | 8 | 45 | — | 287 | 0 | 0 | 0 | 1 | 38 | 0 | 4 | 0 | 22 |
| <i>Operophtera fagata</i> Norther Winter Moth | 1975 | 25 | 9 | — | 10 | 8 | — | 373 | — | 3 | — | 0 | — | 2 | — | 0 | — |
| | 1976 | 1 | 2 | 0 | 6 | 7 | — | 386 | 0 | 0 | 19 | 0 | 13 | 0 | 0 | 0 | 50 |
| <i>Apamea sordens</i> Rustic Shoulder-knot | 1975 | 0 | 0 | — | 0 | 2 | — | 0 | — | 1 | — | 0 | — | 14 | — | 6 | — |
| | 1976 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 8 | 3 | 1 | 0 | 10 | 2 | 1 | 0 |
| <i>Gortyna flavago</i> Frosted Orange | 1975 | 0 | 23 | — | 0 | 0 | — | 0 | — | 2 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 31 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 16 |
| <i>Mamestra brassicae</i> Cabbage Moth | 1975 | 0 | 1 | — | 0 | 0 | — | 0 | — | 3 | — | 1 | — | 1 | — | 0 | — |
| | 1976 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 2 | 0 | 1 | 0 |
| <i>Noctua pronuba</i> Large Yellow Underwing | 1975 | 2 | 16 | — | 6 | 4 | — | 0 | — | 31 | — | 41 | — | 11 | — | 15 | — |
| | 1976 | 2 | 8 | 0 | 5 | 7 | 7 | 1 | 1 | 15 | 12 | 5 | 6 | 7 | 11 | 14 | 120 |
| <i>Diataraxia oleracea</i> Bright-line Brown-eye | 1975 | 0 | 1 | — | 2 | 1 | — | 0 | — | 2 | — | 1 | — | 23 | — | 3 | — |
| | 1976 | 0 | 5 | 0 | 9 | 1 | 0 | 0 | 1 | 2 | 3 | 3 | 1 | 16 | 3 | 4 | 15 |
| <i>Euxoa nigricans</i> Garden Dart | 1975 | 0 | 2 | — | 0 | 0 | — | 0 | — | 4 | — | 2 | — | 6 | — | 0 | — |
| | 1976 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 7 | 1 | 0 | 0 |
| <i>Apamea secalis</i> Common Rustic | 1975 | 2 | 45 | — | 32 | 7 | — | 0 | — | 40 | — | 47 | — | 149 | — | 58 | — |
| | 1976 | 11 | 61 | 0 | 27 | 7 | 10 | 0 | 20 | 47 | 7 | 9 | 4 | 99 | 17 | 51 | 43 |
| <i>Melanchnra persicariae</i> Dot Moth | 1975 | 0 | 0 | — | 0 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Operophtera brumata</i> Winter Moth | 1975 | 11 | 20 | — | 5 | 47 | — | 177 | — | 4 | — | 5 | — | 0 | — | 1 | — |
| | 1976 | 1 | 5 | 0 | 13 | 25 | — | 169 | 1 | 0 | 4 | 0 | 1074 | 1 | 4 | 0 | 133 |

ROTHAMSTED INSECT SURVEY

2(a)
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 | — | — | — | 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 | — | — | 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 | — | — | 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 | 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 | 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 | 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 | 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

TABLE
The Rothamsted Insect Survey—Light Traps: annual records

| 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> Rosy Rustic | 1975 | 9 | — | 74 | 73 | 0 | 11 | 45 | — | 26 | 51 | 9 | 16 | 0 | 106 | 3 | 9 |
| | 1976 | 7 | 62 | 106 | 46 | 0 | 13 | 42 | 82 | 19 | 99 | 4 | 28 | 1 | 100 | 7 | 15 |
| <i>Bupalus piniaria</i> Bordered White | 1975 | 0 | — | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| <i>Panolis flammea</i> Pine Beauty | 1975 | 0 | — | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Cerapteryx graminis</i> Antler Moth | 1975 | 1078 | — | 14 | 14 | 87 | 3 | 11 | — | 89 | 5 | 0 | 2 | 17 | 9 | 13 | 4 |
| | 1976 | 895 | 22 | 31 | 12 | 126 | 1 | 6 | 0 | 71 | 18 | 3 | 0 | 6 | 4 | 4 | 4 |
| <i>Erannis aurantiaria</i> Scarce Umber | 1975 | 1 | — | 10 | 0 | 26 | 1 | 2 | — | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1976 | 10 | 0 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | — | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Operophtera fagata</i> Northern Winter Moth | 1975 | 5 | — | 6 | 1 | 45 | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 |
| | 1976 | 8 | 0 | 12 | 1 | 11 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 17 | 0 | 1 |
| <i>Apamea sordens</i> Rustic Shoulder-knot | 1975 | 5 | — | 0 | 0 | 0 | 0 | 0 | — | 3 | 4 | 1 | 3 | 1 | 2 | 0 | 6 |
| | 1976 | 13 | 3 | 2 | 4 | 3 | 0 | 5 | 6 | 11 | 4 | 4 | 5 | 0 | 0 | 0 | 4 |
| <i>Gortyna flavago</i> Frosted Orange | 1975 | 0 | — | 2 | 0 | 0 | 2 | 3 | — | 0 | 3 | 0 | 0 | 0 | 22 | 1 | 0 |
| | 1976 | 0 | 3 | 3 | 1 | 0 | 0 | 6 | 11 | 1 | 2 | 0 | 2 | 0 | 7 | 1 | 1 |
| <i>Mamestra brassicae</i> Cabbage Moth | 1975 | 0 | — | 0 | 3 | 1 | 0 | 2 | — | 1 | 0 | 0 | 0 | 3 | 1 | 2 | 1 |
| | 1976 | 0 | 7 | 1 | 0 | 1 | 1 | 4 | 4 | 0 | 0 | 0 | 2 | 11 | 6 | 1 | 5 |
| <i>Noctua pronuba</i> Large Yellow Underwing | 1975 | 13 | — | 10 | 34 | 9 | 10 | 25 | — | 18 | 12 | 11 | 17 | 65 | 9 | 29 | 63 |
| | 1976 | 35 | 12 | 5 | 63 | 74 | 9 | 16 | 10 | 170 | 20 | 0 | 2 | 22 | 15 | 24 | 24 |
| <i>Diataraxia oleracea</i> Bright-line Brown-eye | 1975 | 0 | — | 0 | 7 | 0 | 2 | 8 | — | 31 | 11 | 0 | 10 | 3 | 28 | 4 | 3 |
| | 1976 | 5 | 9 | 2 | 9 | 1 | 3 | 6 | 18 | 43 | 48 | 2 | 15 | 16 | 66 | 2 | 10 |
| <i>Euxoa nigricans</i> Garden Dart | 1975 | 0 | — | 0 | 0 | 0 | 0 | 6 | — | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | 1976 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| <i>Apamea secalis</i> Common Rustic | 1975 | 0 | — | 4 | 74 | 0 | 32 | 69 | — | 12 | 43 | 9 | 51 | 25 | 36 | 19 | 53 |
| | 1976 | 3 | 85 | 6 | 275 | 3 | 54 | 36 | 54 | 79 | 129 | 2 | 43 | 48 | 75 | 88 | 55 |
| <i>Melanchra persicariae</i> Dot Moth | 1975 | 0 | — | 1 | 0 | 0 | 0 | 3 | — | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| <i>Operophtera brumata</i> Winter Moth | 1975 | 84 | — | 34 | 16 | 60 | 14 | 32 | — | 15 | 14 | 2 | 2 | 0 | 12 | 3 | 3 |
| | 1976 | 64 | 11 | 17 | 4 | 21 | 6 | 11 | 19 | 0 | — | 0 | 2 | 0 | 6 | 1 | 5 |

ROTHAMSTED INSECT SURVEY

2(b)
of moths of economic, or other importance for 1975 and 1976

| | 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 | Pallaskenry | Norwich | Year | Pest Species |
|--|-----------------|---------------|-----------|-----------|-----------|--------------------|--------------|----------|---------------|-------------------|---------------------|-------------------|------------|--------|-------------|---------|------|------------------------------|
| | 223 | 245 | 243 | 280 | 202 | 274 | 244 | 310 | 321 | 201 | 160 | 168 | 216 | 154 | 207 | 128 | 1975 | <i>Gortyna micacea</i> |
| | 18 | 5 | — | 4 | 24 | 3 | 49 | 41 | — | 4 | 20 | 8 | 23 | — | — | 0 | 1976 | Rosy Rustic |
| | 35 | 25 | 118 | 12 | 26 | 3 | 51 | 43 | 56 | 17 | 12 | 22 | 21 | 242 | 45 | 0 | | |
| | 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 | 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 | 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 |

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE
The Rothamsted Insect Survey—Light Traps: annual records

| Pest Species | Year | Wolverhampton | Methwold Fen | Staylittle | 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 |

ROTHAMSTED INSECT SURVEY

2(c)
of moths of economic, or other importance for 1975 and 1976

| | 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 | 1975 | <i>Gortyna micacea</i> | |
| 11 | 7 | 134 | 30 | 2 | 5 | 4 | 4 | 12 | 3 | 1 | — | — | — | 0 | 59 | 1976 | Rosy Rustic | |
| 19 | 0 | 208 | 14 | 0 | 14 | 33 | 13 | 23 | 8 | 8 | 6 | 104 | 4 | 3 | 68 | 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 | 0 | 91 | 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 | |
| 0 | 2 | 22 | 72 | — | 4 | 6 | 0 | 0 | 0 | 1 | — | — | — | 0 | 1 | 1975 | <i>Cerapteryx graminis</i> | |
| 0 | 23 | 90 | 0 | 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 | — | — | — | 66 | 11 | 1975 | <i>Apamea secalis</i> | |
| 21 | 214 | 211 | 31 | 66 | 68 | 15 | 255 | 49 | 76 | 129 | 15 | 109 | 62 | 178 | 14 | 1976 | Common Rustic | |
| 0 | — | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | 3 | — | — | — | 0 | 0 | 1975 | <i>Melanchna 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 | |

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE
The Rothamsted Insect Survey—Light Traps: annual records

| Pest Species | Year | Ilford | Cleppa Park | Hurley | Lambourn | Whiteknights | Stratfield Mortimer | Bath | Windlesham | East Malling | Wisley | Pirbright | Wye | Alice Holt | Nettlecombe Court | Winchester |
|---|------|--------|-------------|--------|----------|--------------|---------------------|------|------------|--------------|--------|-----------|-----|------------|-------------------|------------|
| <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>Melanchnra 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 |

ROTHAMSTED INSECT SURVEY

2(d)
of moths of economic, or other importance for 1975 and 1976

| | 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>Diataraxia 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 |

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE
The Rothamsted Insect Survey—Light Traps: annual records

| Pest Species | Year | Ardross | 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>Abraxas grossulariata</i> Magpie Moth | 1975 | 0 | 0 | — | 58 | 0 | — | 0 | — | 1 | — | 2 | — | 0 | — | 0 | — |
| | 1976 | 0 | 0 | 32 | 10 | 0 | 0 | 0 | 6 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 |
| <i>Agrotis segetum</i> Turnip Moth | 1975 | 0 | 0 | — | 0 | 0 | — | 0 | — | 17 | — | 1 | — | 1 | — | 0 | — |
| | 1976 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Erannis defoliaria</i> Mottled Umber | 1975 | 10 | 1 | — | 21 | 27 | — | 85 | — | 6 | — | 2 | — | 0 | — | 0 | — |
| | 1976 | 1 | 2 | 0 | 4 | 3 | — | 33 | 0 | 6 | 2 | 0 | 1359 | 0 | 1 | 0 | 189 |
| <i>Phlogophora meticulosa</i> Angle Shades | 1975 | 0 | 0 | — | 0 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 0 | 0 | 1 | 6 | 0 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 5 |
| <i>Alsophila aescularia</i> March Moth | 1975 | 1 | 11 | — | 0 | 3 | — | 0 | — | 0 | — | 3 | — | 0 | — | 0 | — |
| | 1976 | 3 | 2 | 0 | 0 | 7 | 36 | 0 | 0 | 0 | 0 | 0 | 66 | 0 | 1 | 0 | 0 |
| <i>Hepialus humuli</i> Ghost Swift | 1975 | 1 | 0 | — | 2 | 0 | — | 0 | — | 0 | — | 3 | — | 2 | — | 0 | — |
| | 1976 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 2 |
| <i>Hepialus lupulina</i> Common Swift | 1975 | 0 | 0 | — | 0 | 0 | — | 6 | — | 0 | — | 0 | — | 1 | — | 4 | — |
| | 1976 | 1 | 0 | 0 | 0 | 3 | 0 | 14 | 0 | 1 | 0 | 0 | 7 | 0 | 1 | 10 | 14 |
| <i>Agrotis ipsilon</i> Dark Sword Grass | 1975 | 0 | 1 | — | 2 | 1 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| <i>Euproctis chrysorrhoea</i> Brown-tail | 1975 | 0 | 0 | — | 0 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Agrotis exclamationis</i> Heart and Dart | 1975 | 0 | 9 | — | 0 | 0 | — | 0 | — | 29 | — | 8 | — | 23 | — | 2 | — |
| | 1976 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 12 | 10 | 0 | 42 | 4 | 16 | 15 |
| <i>Plusia gamma</i> Silver Y | 1975 | 4 | 4 | — | 2 | 1 | — | 1 | — | 1 | — | 7 | — | 3 | — | 2 | — |
| | 1976 | 2 | 1 | 0 | 1 | 9 | 1 | 3 | 8 | 7 | 15 | 10 | 2 | 0 | 5 | 2 | 45 |
| <i>Laphygma exigua</i> Small Mottled Willow | 1975 | 0 | 0 | — | 0 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nycterosea obstipata</i> The Gem | 1975 | 0 | 0 | — | 1 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nomophila noctuella</i> Rush Veneer Pearl | 1975 | 0 | 2 | — | 0 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Plutella maculipennis</i> Diamond-back Moth | 1975 | 37 | 18 | — | 0 | 13 | — | 0 | — | 601 | — | — | — | 0 | — | 53 | — |
| | 1976 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 8 | 211 | 22 | 0 | 0 | 1 | 0 | 5 | — |
| <i>Udea ferrugalis</i> Rusty Dot Pearl | 1975 | 0 | 0 | — | 0 | 0 | — | 0 | — | 0 | — | — | — | 0 | — | 2 | — |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | — |

ROTHAMSTED INSECT SURVEY

2(e)
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 | | |
| | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 9 | 3 | 0 | 4 | 0 | 1 | 6 | 0 | 3 | 1975 | <i>Abraxas grossulariata</i> |
| | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 1976 | Magpie Moth |
| | 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 | 7 | 0 | 0 | 4 | 1 | 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 | 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 | 15 | 0 | 9 | 1 | 31 | 48 | 1 | 0 | 4 | 3 | 5 | 3 | 1976 | March Moth |
| | 4 | — | — | — | — | — | 2 | — | — | 2 | 1 | — | 1 | — | — | 2 | 1975 | <i>Hepialus humuli</i> |
| | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 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 | 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 | 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 | 1976 | Brown-tail |
| | 0 | — | — | — | — | — | 6 | — | — | 2 | 18 | — | 0 | — | — | 10 | 1975 | <i>Agrotis exclamationis</i> |
| | 2 | 0 | 49 | 0 | 10 | 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 | 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 | 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 | 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 | 1976 | Rush Veneer Pearl |
| | 8 | — | — | — | — | — | 0 | — | — | 23 | 0 | — | 0 | — | — | 0 | 1975 | <i>Plutella maculipennis</i> |
| | 1 | 4 | 2 | 5 | 1 | 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 | 6 | 0 | 0 | 2 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1976 | Rusty Dot Pearl |

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE
The Rothamsted Insect Survey—Light Traps: annual records

| 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 |
|-------------------------------|------|----------|-----------|---------------|-------------------|--------|-----------|--------|-----------------|------------|----------|---------------|-----------|--------|-------------|---------|---------|
| <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 exclamationis</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

2(f)
of moths of economic, or other importance for 1975 and 1976

| | 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 |

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE
The Rothamsted Insect Survey—Light Traps: annual records

| 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 |

ROTHAMSTED INSECT SURVEY

2(g)
of moths of economic, or other importance for 1975 and 1976

| 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 | 4 | 170 | 151 | 233 | 232 | 182 | 1 | 34 | 22 | 120 | 367 | 87 | 17 | 332 | 305 | 292 | 213 | 1975 | <i>Abraxas grossulariata</i> | |
| 0 | 106 | 133 | 161 | 6 | 4 | 1 | 0 | 0 | 14 | 77 | 0 | 12 | 49 | 29 | 3 | 2 | 14 | 1976 | Magpie Moth | |
| 1 | — | 0 | 0 | — | 4 | 0 | 0 | 4 | 4 | 7 | 2 | 17 | — | — | — | 0 | 0 | 1975 | <i>Agrotis segetum</i> | |
| 4 | 28 | 1 | 0 | 32 | 11 | 8 | 72 | 14 | 22 | 22 | 4 | 22 | 4 | 1 | 4 | 0 | 0 | 1976 | Turnip Moth | |
| 6 | — | 15 | 51 | — | 0 | 0 | 52 | 5 | 0 | 0 | 0 | 0 | — | — | — | 27 | 33 | 1975 | <i>Erannis defoliaria</i> | |
| 6 | 30 | 11 | 126 | 0 | 0 | 0 | 37 | 14 | 0 | 0 | 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 | 3 | 4 | 8 | 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 | 0 | 0 | 1 | 3 | 1976 | March Moth | |
| 0 | — | 1 | 1 | — | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | — | — | — | 1 | 0 | 1975 | <i>Hepialus humuli</i> | |
| 0 | 0 | 13 | 3 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 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 | 0 | 2 | 2 | 1976 | Common Swift | |
| 0 | — | 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 | 0 | 0 | 1976 | Dark Sword Grass | |
| 0 | — | 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 | 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 | 180 | 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 | 33 | 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 | 0 | 0 | 1976 | Small Mottled Willow | |
| 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 | 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 | 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 | 1976 | Rusty Dot Pearl | |

ROTHAMSTED REPORT FOR 1977, PART 2

TABLE
The Rothamsted Insect Survey—Light Traps: annual records

| 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>Abraxas grossulariata</i> Magpie Moth | 1975 | 0 | 1 | 13 | — | — | 28 | 0 | 0 | 1 | — | 0 | 27 | 0 | 4 | 12 |
| | 1976 | 2 | 0 | 3 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 3 | 1 |
| <i>Agrotis segetum</i> Turnip Moth | 1975 | 5 | 1 | 1 | — | — | 1 | 0 | 0 | 0 | — | 2 | 2 | 1 | 0 | 0 |
| | 1976 | 12 | 0 | 2 | 0 | 2 | 5 | 0 | 3 | 6 | 6 | 2 | 12 | 3 | 15 | 1 |
| <i>Erannis defoliaria</i> Mottled Umber | 1975 | 0 | 0 | 7 | — | — | 19 | 0 | 51 | 1 | — | 1 | 11 | 38 | 24 | 1 |
| | 1976 | 0 | 0 | 25 | 2 | 4 | 13 | 0 | 76 | 2 | 18 | 6 | 24 | 82 | 37 | 0 |
| <i>Phlogophora meticulosa</i> Angle Shades | 1975 | 6 | 0 | 0 | — | — | 0 | 4 | 3 | 4 | — | 1 | 9 | 2 | 2 | 1 |
| | 1976 | 6 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 5 | 1 | 14 | 3 |
| <i>Alsophila aescularia</i> March Moth | 1975 | 0 | 1 | 7 | — | — | 11 | 0 | 0 | 0 | — | 14 | 40 | 5 | 17 | 2 |
| | 1976 | 0 | 1 | 10 | 5 | 2 | 15 | 0 | 8 | 1 | 9 | 2 | 40 | 20 | 8 | 1 |
| <i>Hepialus humuli</i> Ghost Swift | 1975 | 0 | 0 | 0 | — | — | 1 | 0 | 0 | 1 | — | 0 | 0 | 1 | 0 | 0 |
| | 1976 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 0 |
| <i>Hepialus lupulina</i> Common Swift | 1975 | 0 | 0 | 0 | — | — | 2 | 0 | 3 | 1 | — | 4 | 9 | 0 | 0 | 1 |
| | 1976 | 0 | 0 | 15 | 39 | 48 | 5 | 0 | 7 | 4 | 0 | 5 | 20 | 2 | 0 | 2 |
| <i>Agrotis ipsilon</i> Dark Sword Grass | 1975 | 0 | 0 | 0 | — | — | 0 | 0 | 0 | 0 | — | 0 | 1 | 1 | 2 | 0 |
| | 1976 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| <i>Euproctis chrysorrhoea</i> Brown-tail | 1975 | 1 | 0 | 0 | — | — | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 |
| | 1976 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Agrotis exclamationis</i> Heart and Dart | 1975 | 32 | 37 | 22 | — | — | 21 | 61 | 36 | 16 | — | 18 | 206 | 15 | 78 | 32 |
| | 1976 | 109 | 622 | 119 | 167 | 40 | 88 | 155 | 111 | 16 | 106 | 197 | 325 | 210 | 725 | 248 |
| <i>Plusia gamma</i> Silver Y | 1975 | 53 | 2 | 10 | — | — | 21 | 1 | 70 | 7 | — | 4 | 71 | 24 | 179 | 41 |
| | 1976 | 42 | 8 | 2 | 3 | 9 | 8 | 2 | 29 | 3 | 28 | 1 | 19 | 33 | 45 | 14 |
| <i>Laphygma exigua</i> Small Mottled Willow | 1975 | 0 | 0 | 0 | — | — | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nycterosea obstipata</i> The Gem | 1975 | 0 | 0 | 0 | — | — | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 1 | 0 |
| | 1976 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nomophila noctuella</i> Rush Veneer Pearl | 1975 | 0 | 0 | 0 | — | — | 1 | 0 | 0 | 0 | — | — | 0 | 3 | 1 | 3 |
| | 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | — | 1 |
| <i>Plutella maculipennis</i> Diamond-back Moth | 1975 | 4 | 207 | 23 | — | — | 0 | 0 | 84 | 660 | — | — | 309 | 95 | 10 | 595 |
| | 1976 | 1 | 137 | 1 | 40 | 0 | 2 | 0 | 4 | 640 | 490 | 20 | 11 | 54 | — | 27 |
| <i>Udea ferrugalis</i> Rusty Dot Pearl | 1975 | 0 | 0 | 0 | — | — | 1 | 0 | 0 | 0 | — | — | 0 | 1 | 0 | 2 |
| | 1976 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | — | 0 |

ROTHAMSTED INSECT SURVEY

2(h)
of moths of economic, or other importance for 1975 and 1976

| | 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 | | |
| | 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 | 66 | 6 |
| <i>Aphis fabae</i> grp. | | | | 3 | 8 | 68 | 4 | |
| <i>Aphis</i> spp. | | | 1 | | | 5 | | 1 |
| <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 |