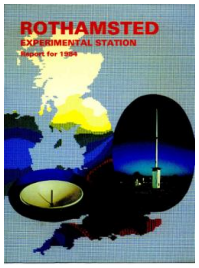
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ROTHAMSTED RESEARCH

Rothamsted Experimental Station Report for 1984

Full Table of Content



Synoptic Monitoring for Migrant Insect Pests in Great Britain and Western Europe. VI. Revised Nomenclature for Aphids and Moths, Analytical Tables for Spatial and Temporal Species Parameters and Light Trap Sampling Site Distributions

L. R. Taylor, I. P. Woiwod, R. Harrington, J. Nicklen and M. J. Dupuch

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Synoptic monitoring for migrant insect pests in Great Britain and Western Europe. VI. Revised nomenclature for aphids and moths, analytical tables for spatial and temporal species parameters and light trap sampling site distributions

L. R. TAYLOR, I. P. WOIWOD, R. HARRINGTON, JOAN NICKLEN and MAUREEN J. DUPUCH

Abstract

Changes caused by additions, revised nomenclature and corrections are given for the site and species lists of the Rothamsted Insect Survey published in the first paper in this series (Taylor *et al.*, 1981). The spatial and temporal population parameters for the less common moth species are given completing information provided on the commoner species published in the fifth paper of the series (Woiwod & Taylor, 1984). Maps are figured showing the distribution of Survey light traps between 1964 and 1981.

Introduction

The first paper in this series listed 616 species of moths and 317 species of aphids that had been sampled by the Survey up to 1978 (Taylor *et al.*, 1981). Since that date some species have been added to the list, some species revised and the whole aphid list rewritten, to bring nomenclature in line with that of Eastop and Hille Ris Lambers (1976). A new, corrected aphid species list is now presented in Table 1 and corrections and additions to the 1981 moth species list are given in Table 2.

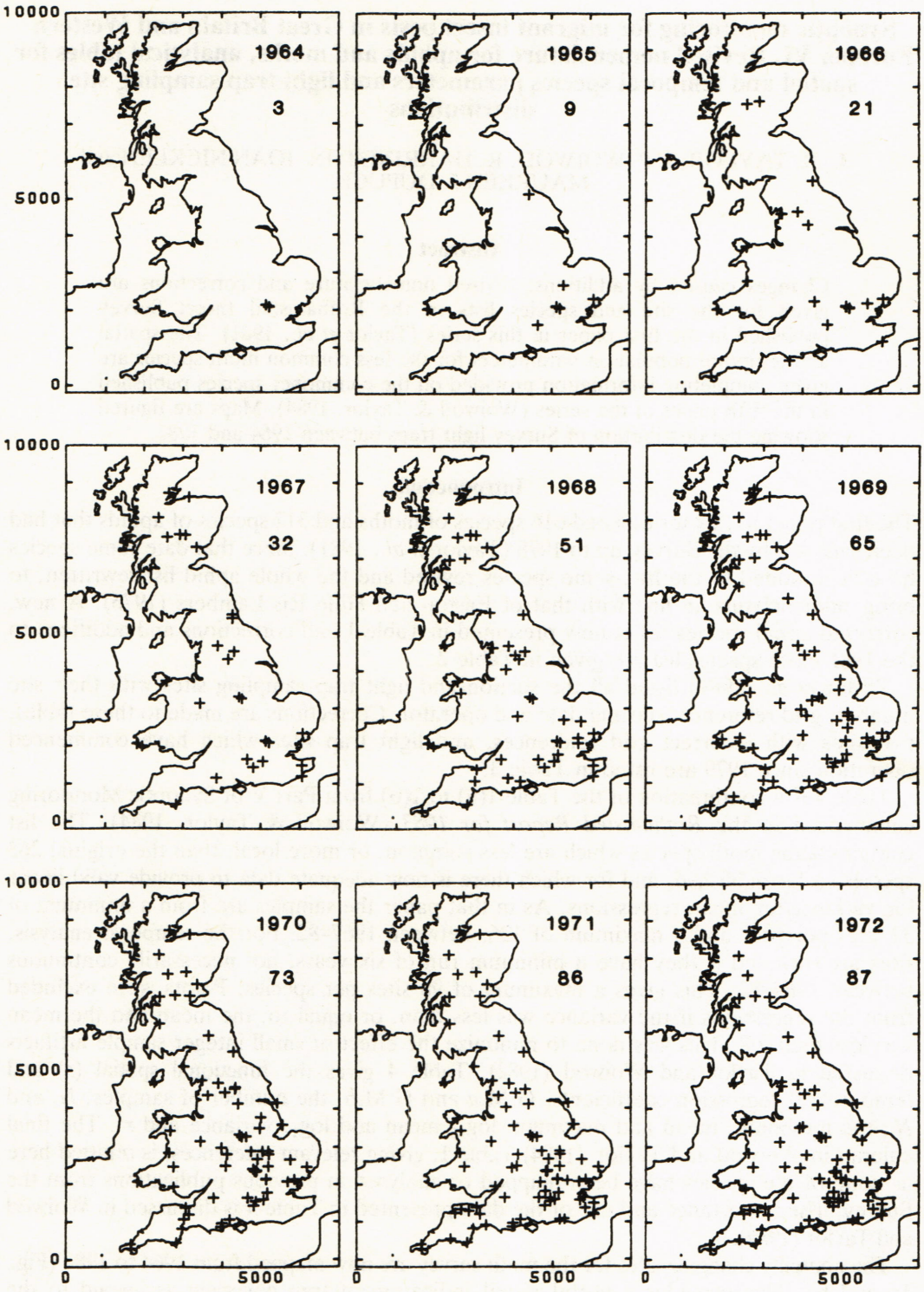
Taylor *et al.* (1981) listed all the suction and light trap sampling sites with their site number, grid reference, starting date and operator. Corrections are made to these tables, two sites with incorrect grid references, and light trap sites which have commenced operation since 1979 are listed in Table 3.

Table 4 is a continuation of the Table 1(a) to 1(o) from Part V of Synoptic Monitoring commenced in the *Rothamsted Report for 1983* (Woiwod & Taylor, 1984). The list contains some moth species which are less common, or more local, than the original 263 species so far published, and for which there is now adequate data to provide valid linear log variance/log mean regressions. As in that paper the samples are from a minimum of 32 sites per year and a maximum of 126, between 1967–82. For the temporal analysis, sites are included if they have a minimum run of six years, not necessarily continuous between 1964–82. This gives a maximum of 98 sites per species. Points were excluded from the regressions if the variance was less than, or equal to, the mean and the mean was less than 0·8. This was done to minimize the effect of small integer sample artifacts discussed in Taylor and Woiwod (1982). Table 4 gives the functional spatial (s) and temporal (t) regression coefficients, G.M.a and G.M.b, the number of samples, N_s and N_t, the minimum, mean and maximum $\log_{10}$ mean and $\log_{10}$ variance and r^2. The final column in Woiwod and Taylor (1984) Table 1, giving relevant references, is omitted here as none of the species have been mapped or analysed in previous publications from the Survey. The importance and use of the data presented in Table 4 is discussed in Woiwod and Taylor (1984).

The annually changing sites for the moth survey are now mapped from 1964 to 1981 (Fig. 1a and b). This provides a useful visual indication of trap coverage as an aid to the interpretation of published parameters and maps of annual moth distributions. Each map gives a figure for the number of sites operating in that year. Figure 2 shows a map of Great Britain with lines of latitude and longitude and the National Grid. The light trap survey uses National Grid coordinates for geographical reference where possible, but the

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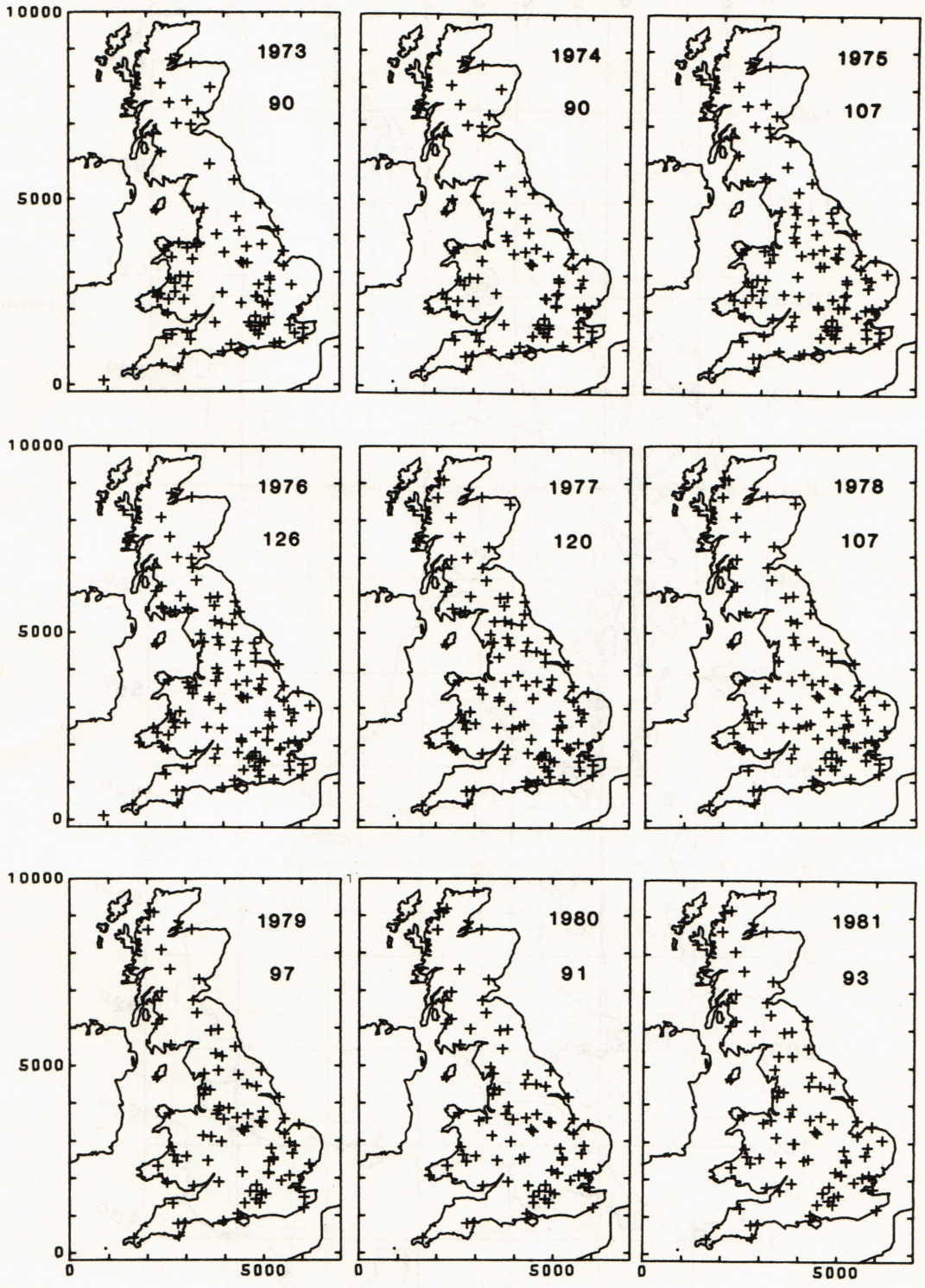


(a)

FIG. 1a and b. Annual light trap distribution from 1964 to 1981. Year and number of sites in operation are given on individual maps. + indicates position of trap site.

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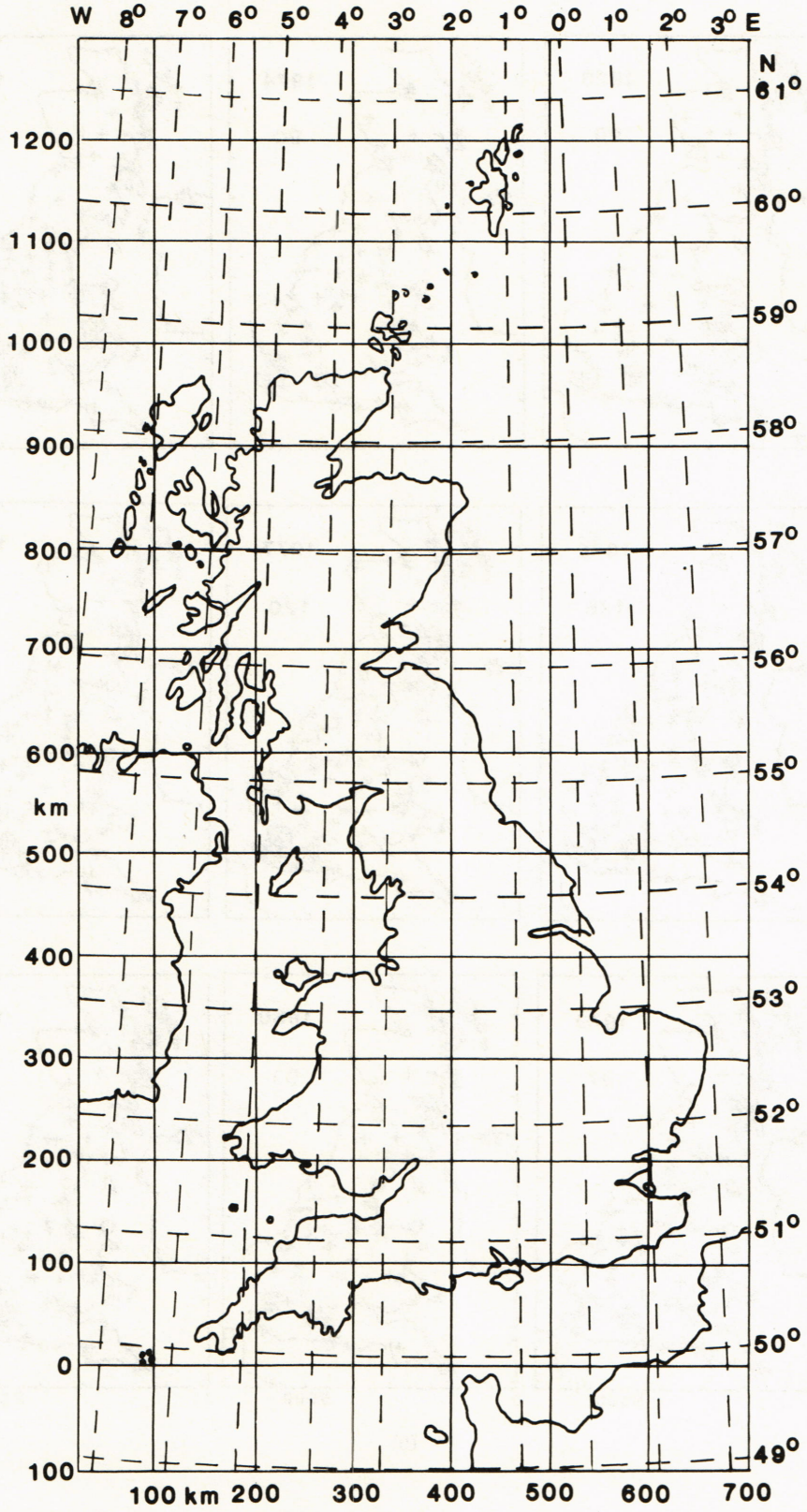
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(b)

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Experimental

FIG. 2. Map of Great Britain with lines of latitude, longitude and National Grid.

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ecological requirements are more often for latitude and longitude. There is no simple conversion from one to the other and for many purposes this map readily provides approximate latitude and longitude equivalents.

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TABLE 1

Species of Aphididae from suction traps in Great Britain 1964–84

(including corrections and additions to Taylor *et al.* (1981) and equivalent nomenclature of Eastop & Hille Ris Lambers (1976))

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
EULACHNUS Del Guercio, 1909	*EULACHNUS* del Guercio, 1909
1 *agilis* (Kaltenbach, 1843)	*agilis* (Kaltenbach, 1843)
2 *bluncki* (Börner, C., 1940)	*rileyi* (Williams, 1911)
3 *brevipilosus* (Börner, C., 1940)	*brevipilosus* Börner, 1940
SCHIZOLACHNUS Mordvilko, 1909	*SCHIZOLACHNUS* Mordvilko, 1909 (1908)
4 *pineti* (Fabricius, 1781)	*pineti* (Fabricius, 1781)
CINARA Curtis, 1835	*CINARA* Curtis, 1835
6 *acutirostris* Hille Ris Lambers, 1956	*acutirostris* Hille Ris Lambers, 1956
7 *boerneri* Hille Ris Lambers, 1956	*cuneomaculata* (del Guercio, 1909)
8 *bogdanowi* (Mordvilko, 1895)	*pruinosa* (Hartig, 1841)
9 *cupressi* (Buckton, 1881)	*cupressi* (Buckton, 1881)
11 *juniperi* (DeGeer, 1773)	*juniperi* (de Geer, 1773)
13 *laricis* (Walker, 1848)	*laricis* (Hartig, 1839)
14 *pectinatae* (Nördlander, 1880)	*pectinatae* (Nördlinger, 1880)
15 *piceae* (Panzer, 1801)	*piceae* (Panzer, 1801)
17 *pinea* (Mordvilko, 1895)	*pinea* (Mordvilko, 1895)
18 *pini* (Linnaeus, 1758)	*pini* (Linnaeus, 1758)
19 *pinicola* (Kaltenbach, 1843)	*pinicola* (Kaltenbach, 1843)
20 *schimitscheki* Börner, C., 1940	*schimitscheki* Börner, 1940
21 *tujafilina* (Del Guercio, 1909)	*tujafilina* (del Guercio, 1909)
729 *pinihabitans* (Mordvilko, 1895)	*pinihabitans* (Mordvilko, 1895)
730 *stroyani* Pašék, 1954	*stroyani* Pašék, 1954
734 *fresai* E. E. Blanchard, 1939	*fresai* E. E. Blanchard, 1939
735 *brauni* Börner, 1940	*brauni* Börner, 1940
736 *escherichi* (Börner, 1950)	*escherichi* (Börner, 1950)
LACHNIELLA Del Guercio, 1909	*LACHNIELLA* del Guercio, 1909
* 22 *costata* (Zetterstedt, 1828)	*Cinara costata* (Zetterstedt, 1828)
TUBEROLACHNUS Mordvilko, 1909	*TUBEROLACHNUS* Mordvilko, 1909
23 *salignus* (Gmelin, J. F., 1788)	*salignus* (Gmelin, 1790)
MACULOLACHNUS Gaumont, 1920	*MACULOLACHNUS* Gaumont, 1920
24 *submacula* (Walker, 1848)	*submacula* (Walker, 1848)
LACHNUS Burmeister, 1835	*LACHNUS* Burmeister, 1835
26 *roboris* (Linnaeus, 1758)	*roboris* (Linnaeus, 1758)
757 *exsiccator* Altum, 1882	*pallipes* (Hartig, 1841)
PROTRAMA Baker, 1920	*PROTRAMA* Baker, 1920
28 *flavescens* (Koch, C. L., 1857)	*flavescens* (Koch, 1856)
30 *ranunculi* (Del Guercio, 1909)	*ranunculi* (del Guercio, 1909)
NEOTRAMA Baker, 1920	*NEOTRAMA* Baker, 1920
31 *caudata* (Del Guercio, 1909)	*caudata* (del Guercio, 1909)
TRAMA von Heyden, C. H. G., 1837	*TRAMA* von Heyden, 1938
33 *rara* Mordvilko, 1908	*rara* Mordvilko, 1908
34 *troglodytes* von Heyden, C. H. G., 1837	*troglodytes* von Heyden, 1837
PERIPHYLLUS van der Hoeven, 1863	*PERIPHYLLUS* van der Hoeven, 1863
35 *acericola* (Walker, 1848)	*acericola* (Walker, 1848)
* 36 *S. xanthomelas* (Koch, C. L., 1854)	*aceris* (Linnaeus, 1761)
37 *californiensis* (Shinji, 1917)	*californiensis* (Shinji, 1917)
38 *hirticornis* (Walker, 1848)	*hirticornis* (Walker, 1848)
39 *lyropictus* (Kessler, 1886)	*lyropictus* (Kessler, 1886)
41 *testudinaceus* (Fernie, 1852)	*testudinaceus* (Fernie, 1852)
CHAITOPHORUS Koch, C. L., 1854	*CHAITOPHORUS* Koch, 1854
42 *beuthani* (Börner, C., 1950)	*horii* subsp. *beuthani* Börner, 1950
43 *capreae* (Mosley, O., 1841)	*capreae* (Mosley, 1841)
45 *populeti* (Panzer, 1805)	*populeti* (Panzer, 1801)
46 *populialbae* (Boyer de Fonscolombe, 1841)	*populialbae* (Boyer de Fonscolombe, 1841)
* 47 *salicti* (Schrank, 1801)	*salicti* (Schrank, 1801)
* 48 *tremulae* Koch, C. L., 1854	*tremulae* Koch, 1854

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TABLE 1—*continued*

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
48 *truncatus* (Hausmann, 1802)	*truncatus* (Hausmann, 1802)
50 *versicolor* Koch, C. L., 1854	*leucomelas* Koch, 1854
* 742 *leucomelas* Koch, C. L., 1854	*leucomelas* Koch, 1854
SIPHA Passerini, 1860	*SIPHA* Passerini, 1860
51 *glyceriae* (Kaltenbach, 1843)	*glyceriae (Kaltenbach, 1843)*
52 *kurdjumovi* Mordvilko, 1921	*(Rungsia) elegans* del Guercio, 1905
† 767 *elegans* del Guercio, 1905	*(Rungsia) elegans* del Guercio, 1905
CARICOSIPHA Börner, C., 1939	*CARICOSPHA* Börner, 1939
55 *paniculatae* Börner, C., 1939	*paniculatae* Börner, 1939
ATHEROIDES Haliday, 1839	*ATHEROIDES* Haliday, (1837) 1839
58 *hirtellus* Haliday, 1839	*hirtellus* Haliday, (ex J. Curtis, 1837 nomen nudum) 1839
59 *serrulatus* Haliday, 1839	*serrulatus* Haliday, (ex J. Curtis, 1837 nomen nudem) 1839
CALLAPHIS Walker, 1870	*CALLAPHIS* Walker, 1870
60 *juglandis* (Goeze, 1778)	*juglandis* (Goeze, 1778)
CHROMAPHIS Walker,1870	*CHROMAPHIS* Walker, 1870
61 *juglandicola* (Kaltenbach, 1843)	*juglandicola* (Kaltenbach, 1843)
MYZOCALLIS Passerini, 1860	*MYZOCALLIS* Passerini, 1860
63 *castanicola* Baker, 1917	*castanicola* Baker, 1917
64 *coryli* (Goeze, 1778)	*coryli* (Goeze, 1778)
65 *boerneri* Stroyan, 1957	*boerneri* Stroyan, 1957
TUBERCULOIDES van der Goot, 1915	*TUBERCULATUS* Mordvilko, 1894 Subgen. *Tuberculoides* van der Goot, 1915
68 *annulatus* (Hartig, T., 1841)	*(Tuberculoides) annulatus* (Hartig, 1841)
758 *borealis* (Krzywiec, 1971)	*(Tuberculoides) borealis* (Krzywiec, 1971)
759 *neglectus* (Krzywiec, 1966)	*(Tuberculoides) neglectus* (Krzywiec, 1966)
TUBERCULATUS Mordvilko, 1894	*TUBERCULATUS* Mordvilko, 1894
69 *querceus* (Kaltenbach, 1843)	*querceus* (Kaltenbach, 1843)
EUCALLIPTERUS Schouteden, 1906	*EUCALLIPTERUS* Schouteden, 1906
70 *tiliae* (Linnaeus, 1758)	*tiliae* (Linnaeus, 1758)
TINOCALLIS Matsumura, 1919	*TINOCALLIS* Matsumara, 1919
71 *platani (Kaltenbach, 1843)*	*platani* (Kaltenbach, 1843)
TAKECALLIS Matsumura, 1917	*TAKECALLIS* Matsumura, 1917
72 *arundicolens* (Clarke, 1903)	*arundicolens* (Clarke, 1903)
73 *arundinariae* (Essig, 1917)	*arundinariae* (Essig, 1917)
PTEROCALLIS Passerini, 1860	*PTEROCALLIS* Passerini, 1860
75 *alni* (De Geer, 1773)	*alni* (de Geer, 1773)
CTENOCALLIS Klodnitzki, 1924	*CTENOCALLIS* Klodnitsky, 1924
† 77 *setosus* (Kaltenbach, 1846)	*setosus* (Kaltenbach, 1846)
PHYLLAPHIS Koch, C. L., 1856	*PHYLLAPHIS* Koch, 1857
78 *fagi* (Linnaeus, 1767)	*fagi* (Linnaeus, 1767)
CALLIPTERINELLA van der Goot, 1913	*CALLIPTERINELLA* van der Goot, 1913
79 *calliptera* (Hartig, T., 1841)	*callipterus* (Hartig, 1841)
80 *minutissima* (Stroyan, 1953)	*minutissima* (Stroyan, 1953)
KALLISTAPHIS Kirkaldy, 1905	*CALAPHIS* Walsh, 1863
82 *basalis* Stroyan, 1957	*flava* Mordvilko, 1928
83 *betulicola* (Kaltenbach, 1843)	*betulicola* (Kaltenbach, 1843)
BETULAPHIS Glendenning, 1926	*BETULAPHIS* Glendenning, 1926
84 *quadrituberculata* (Kaltenbach, 1843)	*quadrituberculata* (Kaltenbach, 1843)
MONAPHIS Walker, 1870	*MONAPHIS* Walker, 1870
85 *antennata* (Kaltenbach, 1843)	*antennata* (Kaltenbach, 1843)
SYMYDOBIUS Mordvilko, 1894	*SYMYDOBIUS* Mordvilko, 1894
86 *oblongus* (von Heyden, C.H.G., 1837)	*oblongus* (von Heyden, 1837)
CLETHROBIUS Mordvilko, 1928	*CLETHROBIUS* Mordvilko, 1928
87 *comes* (Walker, 1848)	*comes* (Walker, 1848)

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pp 8

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TABLE 1—*continued*

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
EUCERAPHIS Walker, 1870	*EUCERAPHIS* Walker, 1870
88 *punctipennis* (Zetterstedt, 1828)	*punctipennis* (Zetterstedt, 1828)
DREPANOSIPHUM Koch, C. L., 1855	*DREPANOSIPHUM* Koch, 1855
89 *acerinum* (Walker, 1848)	*acerinum* (Walker, 1848)
90 *aceris* Koch, C. L., 1855	*aceris* Koch, 1855
91 *platanoidis* (Schrank, 1801)	*platanoidis* (Schrank, 1801)
754 *dixoni* Hille Ris Lambers, 1971	*dixoni* Hille Ris Lambers, 1971
THERIOAPHIS Walker, 1870	*THERIOAPHIS* Walker, 1870
92 *luteola* (Börner, C., 1949)	*luteola* (Börner, 1949)
* 93 *ononidis* (Kaltenbach, 1846)	*ononidis* (Kaltenbach, 1846)
94 *trifolii* (Monell, 1882)	*trifolii* (Monell, 1882)
731 *riehmi* (Börner, 1949)	*riehmi* (Börner, 1949)
TRICHOCALLIS Börner, C., 1930	*THRIPSAPHIS* Gillette, 1917 Subgen. *Trichocallis* Börner, 1930
95 *cyperi* (Walker, 1848)	*(Trichocallis) cyperi* (Walker, 1848)
ALLAPHIS Mordvilko, 1921	*THRIPSAPHIS* Gillette, 1917
96 *thripsoides* (Hille Ris Lambers, 1939)	*(Trichocallis) caricis* (Mordvilko, 1921)
SUBSALTUSAPHIS Quednau, 1953	*SUBSALTUSAPHIS* Quednau, 1953
737 *ornata* (Theobald, 1927)	*ornata* (Theobald, 1927)
JUNCOBIA Quednau, 1954	*IZIPHYA* Nevsky, 1929
100 *leegei* (Börner, C., 1940)	*leegei* Börner, 1940
PTEROCOMMA Buckton, 1879	*PTEROCOMMA* Buckton, 1879
102 *pilosum* Buckton, 1879	*pilosum* Buckton, 1879
103 *populeum* (Kaltenbach, 1843)	*populeum* (Kaltenbach, 1843)
104 *salicis* (Linnaeus, 1758)	*salicis* (Linnaeus, 1758)
105 *steinheili* (Mordvilko, 1901)	*rufipes* (Hartig, 1841)
PLOCAMAPHIS Oestlund, 1923	*PLOCAMAPHIS* Oestlund, 1923
107 *bituberculata* (Theobald, 1912)	*amerinae* (Hartig, 1841)
HYALOPTERUS Koch, C. L., 1854	*HYALOPTERUS* Koch, 1854
109 *amygdali* (Blanchard, M. E. 1840)	*amygdali* (Blanchard, 1840)
* 110 *pruni* (Geoffroy, 1762)	*pruni* (Geoffroy, 1762)
RHOPALOSIPHUM Koch, C. L., 1854	*RHOPALOSIPHUM* Koch, 1854
111 *insertum* (Walker, 1849)	*insertum* (Walker, 1849)
112 *maidis* (Fitch, 1856)	*maidis* (Fitch. 1856)
113 *nymphaeae* (Linnaeus, 1761)	*nymphaeae* (Linnaeus, 1761)
114 *padi* (Linnaeus, 1758)	*padi* (Linnaeus, 1758)
122 *luzulellum* Hille Ris Lambers, 1947	*Melanaphis luzulella* (Hille Ris Lambers, 1939)
739 *rufulum* Richards, 1960	*Rhopalosiphum rufulum* Richards, 1960
750 *pilipes* Ossiannilsson, 1959	*Schizaphis pilipes* (Ossiannilsson, 1959)
EUSCHIZAPHIS Hille Ris Lambers, 1947	*SCHIZAPHIS* Börner, 1931 Subgen. *Euschizaphis* Hille Ris Lambers, 1947
115 *palustris* (Theobald, 1929)	*(Euschizaphis) palustris* (Theobald, 1929)
SCHIZAPHIS Börner, C., 1931	*SCHIZAPHIS* Börner, 1931
* 116 *graminum* (Rondani, (1847) 1852)	*graminum* (Rondani, (1847) 1852)
PARASCHIZAPHIS Hille Ris Lambers, 1947	*SCHIZAPHIS* Börner, 1931 Subgen. *Euschizaphis* Hille Ris Lambers, 1947
121 *scirpi* (Passerini, 1874)	*(Paraschizaphis) scirpi* (Passerini, 1874)
APHIS Linnaeus, 1758	*APHIS* Linnaeus, 1758
125 *sambuci* Linnaeus, 1758	*sambuci* Linnaeus, 1758
132 *fabae* Scopoli, 1763	*fabae* Scopoli, 1763
137 *rumicis* Linnaeus, 1758	*rumicis* Linnaeus, 1758
142 *corniella* (Hille Ris Lambers, 1935)	*salicariae* Koch, 1855
147 *epilobii* Kaltenbach, 1843	*epilobii* Kaltenbach, 1843
150 *idaei* van der Goot, 1912	*idaei* van der Goot, 1912
152 *nasturtii* Kaltenbach, 1843	*nasturtii* Kaltenbach, 1843
153 *pomi* DeGeer, 1773	*pomi* de Geer, 1773
154 *ruborum* (Börner, C., 1931)	*ruborum* (Börner, 1932)
155 *schneideri* (Börner, C., 1940)	*schneideri* (Börner, 1940)
† 162 *craccae* Linnaeus, 1758	*craccae* Linnaeus, 1758

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TABLE 1—*continued*

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
163 *craccivora* Koch, C. L., 1854	*craccivora* Koch, 1854
179 *frangulae* Kaltenbach in Koch, C. L., 1855	*frangulae* Kaltenbach, 1845
192 *sedi* Kaltenbach, 1843	*sedi* Kaltenbach, 1843
196 *tormentillae* Passerini, 1879	*tormentillae* Passerini, 1879
204 *taraxacicola* (Börner, C., 1940)	*taraxacicola* (Börner, 1940)
TOXOPTERA Koch, C. L. 1856	*TOXOPTERA* Koch, 1856
208 *aurantii* (Boyer de Fonscolombe, 1841)	*aurantii* (Boyer de Fonscolombe, 1841)
CRYPTOSIPHUM Buckton, 1879	*CRYPTOSIPHUM* Buckton (1875) 1879
209 *artemisiae* Buckton, 1879	*artemesiae* Buckton, 1879
CERURAPHIS Börner, C., 1926	*CERURAPHIS* Börner, 1926
211 *eriophori* (Walker, 1848)	*eriophori* (Walker, 1848)
DYSAPHIS Börner, C., 1931	*DYSAPHIS* Börner, 1951
299 *ranunculi* (Kaltenbach, 1843)	*ranunculi* (Kaltenbach, 1843)
S. POMAPHIS Börner, C., 1939	Subgen. *Pomaphis* Börner, 1939
233 *maritima* (Hille Ris Lambers, 1955)	*(Pomaphis) maritima* (Hille Ris Lambers, 1955)
* 234 *plantaginea* (Passerini, 1860)	*(Pomaphis) plantaginea* (Passerini, 1860)
235 *pyri* (Boyer de Fonscolombe, 1841)	*(Pomaphis) pyri* (Boyer de Fonscolombe, 1841)
ANURAPHIS Del Guercio, 1907	*ANURAPHIS* del Guercio, 1907
237 *catonii* Hille Ris Lambers, 1935	*catonii* Hille Ris Lambers, 1935
238 *farfarae* (Koch, C. L., 1854)	*farfarae* (Koch, 1854)
239 *subterranea* (Walker, 1852)	*subterranea* (Walker, 1852)
BRACHYCAUDUS van der Goot, 1913	*BRACHYCAUDUS* van der Goot, 1913
241 *cardui* (Linnaeus, 1758)	*(Acaudus) cardui* (Linnaeus, 1758)
243 *helichrysi* (Kaltenbach, 1843)	*helichrysi* (Kaltenbach, 1843)
244 *jacobi* Stroyan, 1957	*(Acaudus) jacobi* Stroyan, 1957
245 *klugkisti* (Börner, C., 1942)	*(Acaudus) klugkisti* (Börner, 1942)
246 *linariae* Stroyan, 1950	*(Acaudus) linariae* Stroyan, 1950
248 *lychnidis* (Linnaeus, 1758)	*(Acaudus) lychnidis* (Linnaeus, 1758)
249 *persicaecola* (Boisduval, 1867)	*(Acaudus) persicae* (Passerini, 1860)
747 *populi* (del Guercio, 1911)	*(Acaudus) populi* (del Guercio, 1911)
**APPELIA* Börner, 1931	Subgen. *Appelia* Börner, 1930
745 *schwartzi* Börner, 1931	*(Appelia) schwartzi* (Börner, 1931)
THULEAPHIS Hille Ris Lambers, 1961	Subgen. *Thuleaphis* Hille Ris Lambers, 1960
253 *rumexicolens* (Patch, 1917)	*(Thuleaphis) rumexicolens* (Patch, 1917)
254 *sedi* Jacob, 1964	*(Thuleaphis) sedi* (Jacob, 1964)
BRACHYCOLUS Buckton, 1879	*BRACHYCOLUS* Buckton, 1879
255 *cerastii* (Kaltenbach, 1846)	*cerastii* (Kaltenbach, 1846)
†*HOLCAPHIS* Hille Ris Lambers, 1939	*DIURAPHIS* Aizenberg, 1935 Subgen. *Holcaphis* Hille Ris Lambers, 1939
† 257 *frequens* (Walker, 1848)	*(Holcaphis) frequens* (Walker, 1848)
DIURAPHIS Aizenberg, 1935	*DIURAPHIS* Aizenberg, 1935
259 *muehlei* (Börner, C., 1950)	*muehlei* (Börner, 1950)
† 786 *agrostidis* (Muddathir, 1965)	*(Holcaphis) agrostidis* (Muddathir, 1965)
ASPIDAPHIS Gillette, 1917	*ASPIDAPHIS* Gillette, 1917
† 260 *adjuvans* (Walker, 1848)	*adjuvans* (Walker, 1848)
753 *porosiphon* Börner, 1950	*porosiphon* Börner, 1950
HAYHURSTIA Del Guercio, 1917	*HAYHURSTIA* del Guercio, 1917
261 *atriplicis* (Linnaeus, 1761)	*atriplicis* (Linnaeus, 1761)
262 *cucubali* (Passerini, 1863)	*Brachycolus cucubali* (Passerini, 1863)
BREVICORYNE van der Goot, 1915	*BREVICORYNE* van der Goot, 1915
264 *brassicae* (Linnaeus, 1758)	*brassicae* (Linnaeus, 1758)
LIPAPHIS Mordvilko, 1928	*LIPAPHIS* Mordvilko, 1928
267 *erysimi* (Kaltenbach, 1843)	*erysimi* (Kaltenbach, 1843)
LIPAMYZODES Heinze, 1960	*LIPAMYZODES* Heinze, 1960
269 *matthiolae* (Doncaster, 1954)	*matthiolae* (Doncaster, 1954)
HYADAPHIS Kirkaldy, 1904	*HYADAPHIS* Kirkaldy, 1904
271 *foeniculi* (Passerini, 1860)	*foeniculi* (Passerini, 1860)

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TABLE 1—*continued*

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
* 778 *passerini* (del Guercio, 1911)	*passerinii* (del Guercio, 1911)
STAEGERIELLA Hille Ris Lambers. 1947	*STAEGERIELLA* Hille Ris Lambers, 1947
273 *necopinata* (Börner, C., 1939)	*necopinata* (Börner, 1939)
DECOROSIPHON Börner, C., 1939	*DECOROSIPHON* Börner, 1939
274 *corynothrix* Börner, C., 1939	*corynothrix* Börner, 1939
PSEUDACAUDELLA Börner, C., 1944	*PSEUDACAUDELLA* Börner, 1944
275 *rubida* (Börner, C., 1939)	*rubida* (Börner, 1939)
HYALOPTEROIDES Theobald, 1916	*HYALOPTEROIDES* Theobald, 1916
276 *humilis* (Walker, 1852)	*humilis* (Walker, 1852)
COLORADOA Wilson, 1910	*COLORADOA* Wilson, 1910
277 *absinthii* Hille Ris Lambers, 1939	*absinthii* (Lichtenstein, 1885)
278 *achilleae* Hille Ris Lambers, 1939	*achilleae* Hille Ris Lambers, 1939
280 *rufomaculata* (Wilson, 1908)	*rufomaculata* (Wilson, 1908)
281 *tanacetina* (Walker, 1850)	*tanacetina* (Walker, 1850)
748 *inodorella* Ossiannilsson, 1959	*inodorella* Ossiannilsson, 1959
LONGICAUDUS van der Goot, 1913	*LONGICAUDUS* van der Goot, 1913
283 *trirhodus* (Walker, 1849)	*trirhodus* (Walker, 1849)
ERICAPHIS Börner, C., 1939	*ERICAPHIS* Börner, 1939
* 284 *ericae* (Börner, C., 1933)	*ericae* (Börner, 1933)
MYZAPHIS van der Goot, 1913	*MYZAPHIS* van der Goot, 1913
286 *rosarum* (Kaltenbach, 1843)	*rosarum* (Kaltenbach, 1843)
CHAETOSIPHON Nevsky, 1929	*CHAETOSIPHON* Mordvilko, 1914
S. PENTATRICHOPUS Börner, C., 1930	Subgen. *Pentatrichopus* Börner, 1930
287 *fragaefolii* (Cockerell, 1901)	*(Pentatrichopus) fragaefolii* (Cockerell, 1901)
288 *potentillae* (Walker, 1850)	*(Pentatrichopus) potentillae* (Walker, 1850)
289 *tetrarhodus* (Walker, 1849)	*(Pentatrichopus) tetrarhodum* (Walker, 1849)
ELATOBIUM Mordvilko, 1914	*ELATOBIUM* Mordvilko, 1914
290 *abietinum* (Walker, 1849)	*abietinum* (Walker, 1849)
LIOSOMAPHIS (Walker, 1868)	*LIOSOMAPHIS* Walker, 1868
291 *berberidis* (Kaltenbach, 1843)	*berberidis* (Kaltenbach, 1843)
CAVARIELLA Del Guercio, 1911	*CAVARIELLA* del Guercio, 1911
292 *aegopodii* (Scopoli, 1763)	*aegopodii* (Scopoli, 1763)
293 *archangelicae* (Scopoli, 1763)	*archangelicae* (Scopoli, 1763)
295 *konoi* Takahashi, 1939	*konoi* Takahashi, 1939
* 296 *pastinacae* (Linnaeus, 1758)	*pastinacae* (Linnaeus, 1758)
298 *theobaldi* (Gillette and Bragg, 1918)	*theobaldi* (Gillette and Bragg, 1918)
299 *intermedia* Hille Ris Lambers, 1969	*intermedia* Hille Ris Lambers, 1969
JACKSONIA Theobald, 1923	*JACKSONIA* Theobald, 1923
300 *papillata* Theobald, 1923	*papillata* Theobald, 1923
OVATUS van der Goot, 1913	*OVATUS* van der Goot, 1913
301 *crataegarius* (Walker, 1850)	*crataegarius* (Walker, 1850)
302 *glechomae* Hille Ris Lambers, 1947	*glechomae* Hille Ris Lambers, 1947
303 *insitus* (Walker, 1849)	*insitus* (Walker, 1849)
304 *mentharius* (van der Goot, 1913)	*mentharius* (van der Goot, 1913)
S. OVATOIDES Börner, C., 1939	Subgen. *Ovatoides* Börner, 1939
305 *inulae* (Walker, 1849)	*(Ovatoides) inulae* (Walker, 1849)
S. OVATOMYZUS Hille Ris Lambers, 1947	*OVATOMYZUS* Hille Ris Lambers, 1947
306 *calaminthae* (Macchiati, 1885)	*calaminthae* (Macchiati, 1885)
307 *stachyos* (Hille Ris Lambers, 1947)	*stachyos* Hille Ris Lambers, 1947
764 *boraginacearum* Eastop, 1952	*boraginacearum* Eastop, 1952
PHORODON Passerini, 1860	*PHORODON* Passerini, 1860
308 *humuli* (Schrank, 1801)	*humuli* (Schrank, 1801)
RHOPALOMYZUS Mordvilko, 1921	*RHOPALOMYZUS* Mordvilko, 1921
309 *poae* (Gillette, 1908)	*poae* (Gillette, 1908)
S. JUDENKOA Hille Ris Lambers, 1949	Subgen. *Judenkoa* Hille Ris Lambers, 1946
310 *lonicerae* (von Siebold, 1839)	*(Judenkoa) lonicerae* (Siebold, 1839)

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TABLE 1—*continued*

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
MYZODIUM Börner, C., 1950	*MYZODIUM* Börner, 1949
311 *modestum* (Hottes, 1926)	*modestum* (Hottes, 1926)
MYZUS Passerini, 1860	*MYZUS* Passerini, 1860
312 *cerasi* (Fabricius, 1775)	*cerasi* (Fabricius, 1775)
314 *lythri* (Schrank, 1801)	*lythri* (Schrank, 1801)
315 *ornatus* Laing, 1932	*ornatus* Laing, 1932
S. NECTAROSIPHON Schouteden, 1901	Subgen. *Nectarosiphon* Schouteden, 1901
318 *ascalonicus* Doncaster, 1946	*(Nectarosiphon) ascalonicus* Doncaster, 1946
319 *certus* (Walker, 1849)	*(Nectarosiphon) certus* (Walker, 1849)
320 *ligustri* (Mosley, O., 1841)	*(Nectarosiphon) ligustri* (Mosley, 1841)
321 *myosotidis* (Börner, C., 1950)	*(Nectarosiphon) myosotodis* (Börner, 1950)
322 *persicae* (Sulzer, 1776)	*(Nectarosiphon) persicae* (Sulzer, 1776)
740 *varians* Davidson, 1912	*Myzus varians* Davidson, 1912
S. SCIAMYZUS Stroyan, 1954	Subgen. *Sciamyzus* Stroyan, 1954
323 *cymbalariellus* Stroyan, 1967	*(Sciamyzus) cymbalariae* Stroyan, 1954
S. FIMBRIAPHIS Richards, W. R., 1959	*FIMBRIAPHIS* Richards, 1959
324 *latifrons* (Börner, C., 1942)	*Ericaphis latifrons* (Börner, 1942)
TUBAPHIS Hille Ris Lambers, 1947	*TUBAPHIS* Hille Ris Lambers, 1947
325 *ranunculina* (Walker, 1852)	*ranunculina* (Walker, 1852)
GALIOBIUM Börner, C., 1933	*MYZUS* Passerini, 1860 Subgen. *Galiobium* Börner, 1933
326 *langei* (Börner, C., 1933)	*(Galiobium) langei* (Börner, 1933)
VESICULAPHIS Del Guercio, 1911	*VESICULAPHIS* del Guercio, 1911
327 *theobaldi* Takahashi, 1930	*theobaldi* Takahashi, 1930
†*MUSCAPHIS* Börner, C., 1933	*MUSCAPHIS* Börner, 1933
† 328 *musci* Börner, 1933	*musci* Börner, 1933
ASPIDAPHIUM Börner, C., 1939	*ASPIDAPHIUM* Börner, 1939
330 *escherichi* Börner, C., 1939	*escherichi* Börner, 1939
PARAMYZUS Börner, C., 1933	*PARAMYZUS* Börner, 1933
333 *heraclei* Börner, C., 1933	*heraclei* Börner, 1933
CRYPTOMYZUS Oestlund, 1923	*CRYPTOMYZUS* Oestlund, 1923
335 *ballotae* Hille Ris Lambers, 1953	*ballotae* Hille Ris Lambers, 1953
336 *galeopsidis* (Kaltenbach, 1843)	*galeopsidis* (Kaltenbach, 1843)
339 *korschelti* Börner, C., 1938	*korschelti* Börner, 1938
340 *ribis* (Linnaeus, 1758)	*ribis* (Linnaeus, 1758)
CAPITOPHORUS van der Goot, 1913	*CAPITOPHORUS* van der Goot, 1913
341 *carduinus* (Walker, 1850)	*carduinus* (Walker, 1850)
342 *elaeagni* (Del Guercio, 1894)	*elaeagni* (del Guercio, 1894)
343 *hippophaes* (Walker, 1852)	*hippophaes* (Walker, 1852)
344 *horni* (Börner, C., 1931)	*horni* Börner, 1931
346 *similis* van der Goot, 1915	*similis* van der Goot, 1915
PLEOTRICHOPHORUS Börner, C., 1930	*PLEOTRICHOPHORUS* Börner, 1930
349 *duponti* Hille Ris Lambers, 1935	*duponti* Hille Ris Lambers, 1935
350 *glandulosus* (Kaltenbach, 1843)	*glandulosus* (Kaltenbach, 1846)
NASONOVIA Mordvilko, 1914	*NASONOVIA* Mordvilko, 1914
352 *compositellae* (Theobald, 1924)	*compositellae* (Theobald, 1924)
354 *pilosellae* (Börner, C., 1933)	*pilosellae* (Börner, 1933)
355 *ribisnigri* (Mosley, O., 1841)	*ribisnigri* (Mosley, 1841)
S. NEOKAKIMIA Doncaster and Stroyan, 1952	Subgen. *Neokakimia* Doncaster & Stroyan, 1952
356 *dasyphylli* Stroyan, 1957	*(Neokakimia) dasyphylli* Stroyan, 1957
† 357 *saxifragae* (Doncaster and Stroyan, 1952)	*(Neokakimia) saxifragae* (Doncaster & Stroyan, 1952)
HYPEROMYZUS Börner, C., 1933	*HYPEROMYZUS* Börner, 1933
358 *lactucae* (Linnaeus, 1758)	*lactucae* (Linnaeus, 1758)
359 *lampsanae* (Börner, C., 1932)	*lampsanae* (Börner, 1932)
360 *pallidus* Hille Ris Lambers, 1935	*pallidus* Hille Ris Lambers, 1935
S. NEONASONOVIA Hille Ris Lambers, 1949	Subgen. *Neonasonovia* Hille Ris Lambers, 1949
361 *hieracii* (Börner, C., 1939)	*(Neonasonovia) hieracii* (Börner, 1939)
362 *picridis* (Börner, C. and Blunck, 1916)	*(Neonasonovia) picridis* (Börner & Blunck, 1916)

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TABLE 1—*continued*

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
S. HYPEROMYZELLA Hille Ris Lambers, 1949	Subgen. *Hyperomyzella* Hille Ris Lambers, 1949
363 *rhinanthi* (Schouteden, 1903)	*(Hyperomyzella) rhinanthi* (Schouteden, 1903)
MYZOTOXOPTERA Theobald, 1927	*MYZOTOXOPTERA* Theobald, 1927
364 *wimshurstae* Theobald, 1927	*wimshurstae* Theobald, 1927
RHOPALOSIPHONINUS Baker, 1920	*RHOPALOSIPHONINUS* Baker, 1920
366 *latysiphon* (Davidson, W. M., 1912)	*latysiphon,* (Davidson, 1912)
367 *ribesinus* (van der Goot, 1912)	*ribesinus* (van der Goot, 1912)
368 *staphyleae* (Koch, C. L., 1854)	*(Myzosiphon) staphyleae* (Koch, 1854)
S. SUBMEGOURA Hille Ris Lambers, 1953	Subgen. *Submegoura* Hille Ris Lambers, 1953
370 *heikinheimoi* (Börner, C., 1952)	*heikinheimoi* (Börner, 1952)
MICROLOPHIUM Mordvilko, 1914	*MICROLOPHIUM* Mordvilko, 1914
372 *evansi* (Theobald, 1923)	*carnosum* (Buckton, 1876)
AULACORTHUM Mordvilko, 1914	*AULACORTHUM* Mordvilko, 1914
374 *palustre* Hille Ris Lambers, 1947	*palustre* Hille Ris Lambers, 1947
375 *rufum* Hille Ris Lambers, 1947	*rufum* Hille Ris Lambers, 1947
376 *solani* (Kaltenbach, 1843)	*solani* (Kaltenbach, 1843)
377 *speyeri* Börner, C., 1939	*speyeri* Börner, 1939
S. NEOMYZUS van der Goot, 1915	Subgen. *Neomyzus* van der Goot, 1915
378 *circumflexum* (Buckton, 1876)	*circumflexum* (Buckton, 1876)
ACYRTHOSIPHON Mordvilko, 1914	*ACYRTHOSIPHON* Mordvilko, 1914
381 *loti* (Theobald, 1912)	*loti* (Theobald, 1913)
382 *malvae* (Mosley, O., 1841)	*malvae* (Mosley, 1841)
389 *pisum* (Harris, 1776)	*pisum* (Harris, 1776)
392 *primulae* (Theobald, 1913)	*Microlophium primulae* (Theobald, 1913)
† 755 *caraganae* (Cholodkovsky, 1907)	*Acyrthosiphon caraganae* (Cholodkovsky, 1907)
SUBACYRTHOSIPHON Hille Ris Lambers, 1947	*SUBACYRTHOSIPHON* Hille Ris Lambers, 1947
394 *cryptobius* Hille Ris Lambers, 1947	*cryptobium* Hille Ris Lambers, 1947
METOPOLOPHIUM Mordvilko, 1914	*METOPOLOPHIUM* Mordvilko, 1914
395 *albidum* Hille Ris Lambers, 1947	*albidum* Hille Ris Lambers, 1947
396 *dirhodum* (Walker, 1848)	*dirhodum* (Walker, 1849)
397 *festucae* (Theobald, 1917)	*festucae* (Theobald, 1917)
398 *frisicum* Hille Ris Lambers, 1947	*frisicum* Hille Ris Lambers, 1947
399 *tenerum* Hille Ris Lambers, 1947	*tenerum* Hille Ris Lambers, 1947
† 776 *fasciatum* sp. nov.	—
† 783 *festucae cerealium* subsp. nov.	—
CRYPTAPHIS Hille Ris Lambers, 1947	*CRYPTAPHIS* Hille Ris Lambers, 1947
400 *poae* (Hardy, J., 1850)	*poae* (Hardy, 1850)
RHODOBIUM Hille Ris Lambers, 1947	*RHODOBIUM* Hille Ris Lambers, 1947
401 *porosum* (Sanderson, 1901)	*porosum* (Sanderson, 1900)
LINOSIPHON Börner, C., 1944	*LINOSIPHON* Börner, (1944) 1950
402 *galiophagus* (Wimshurst, 1923)	*galiophagum* (Wimshurst, 1923)
CORYLOBIUM Mordvilko, 1914	*CORYLOBIUM* Mordvilko, 1914
403 *avellanae* (Schrank, 1801)	*avellanae* (Schrank, 1801)
DELPHINIOBIUM Mordvilko, 1914	*DELPHINIOBIUM* Mordvilko, 1914
404 *junackianum* (Karsch, 1887)	*junackianum* (Karsch, 1887)
ANTHRACOSIPHON Hille Ris Lambers, 1947	*ANTHRACOSIPHON* Hille Ris Lambers, 1947
405 *hertae* Hille Ris Lambers, 1947	*hertae* Hille Ris Lambers, 1947
MACROSIPHUM Passerini, 1860	*MACROSIPHUM* Passerini, 1860
408 *cholodkovskyi* Mordvilko, 1909	*cholodkovskyi* (Mordvilko, 1909)
410 *euphorbiae* (Thomas, C. A., 1878)	*euphorbiae* (Thomas, 1878)
412 *funestum* (Macchiati, 1885)	*funestum* (Macchiati, 1885)
413 *gei* (Koch, C. L., 1855)	*gei* (Koch, 1855)
414 *hellebori* Theobald and Walton, 1923	*hellebori* Theobald & Walton, 1923
416 *rosae* (Linnaeus, 1758)	*rosae* (Linnaeus, 1758)
† 788 *albifrons* Essig, 1911	*albifrons* Essig, 1911
S. SITOBION Mordvilko, 1914	*SITOBION* Mordvilko, 1914
420 *avenae* (Fabricius, 1775)	*avenae* (Fabricius, 1775)

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TABLE 1—*continued*

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
421 *fragariae* (Walker, 1848)	*fragariae* (Walker, 1848)
* 423 *eastopi* Hille Ris Lambers (unpublished)	—
† 765 *ptericolens* (Patch, 1919)	*ptericolens* (Patch, 1919)
DACTYNOTUS Rafinesque, 1818	*UROLEUCON* Mordvilko, 1914
426 *achilleae* (Koch, C. L., 1855)	*achilleae* (Koch, 1855)
432 *jaceicola* Hille Ris Lambers, 1939	*jaceicola* (Hille Ris Lambers, 1939)
* 439 *tussilaginis* (Walker, 1850)	*tussilaginis* (Walker, 1850)
† 763 *erigeronensis* Thomas, 1878	*(Lambersius) erigeronensis* (Thomas, 1878)
S. UROMELAN Mordvilko, 1914	Subgen. *Uromelan* Mordvilko, 1914
† 445 *nigrocampanulae* (Theobald, 1928)	*(Uromelan) nigrocampanulae* (Theobald, 1928)
449 *taraxaci* (Kaltenbach, 1843)	*(Uromelan) taraxaci* (Kaltenbach, 1843)
MACROSIPHONIELLA Del Guercio, 1911	*MACROSIPHONIELLA* del Guercio, 1911
450 *abrotani* (Walker, 1852)	*abrotani* (Walker, 1852)
451 *absinthii* (Linnaeus, 1758)	*absinthii* (Linnaeus, 1758)
452 *artemisiae* (Boyer de Fonscolombe, 1841)	*artemisiae* (Boyer de Fonscolombe, 1841)
453 *millefolii* (DeGeer, 1773)	*millefolii* (De Geer, 1773)
455 *pulvera* (Walker, 1848)	*pulvera* (Walker, 1848)
456 *sanborni* (Gillette, 1908)	*sanborni* (Gillette, 1908)
457 *tanacetaria* (Kaltenbach, 1843)	*tanacetaria* (Kaltenbach, 1843)
458 *trimaculata* Hille Ris Lambers, 1938	*subterranea* (Koch, 1855)
459 *usquertensis* Hille Ris Lambers, 1935	*usquertensis* Hille Ris Lambers, 1935
S. PHALANGOMYZUS Börner, C., 1939	*MACROSIPHONIELLA* del Guercio, 1911
462 *persequens* (Walker, 1852)	*persequens* (Walker, 1852)
463 *sejuncta* (Walker, 1848)	*sejuncta* (Walker, 1848)
732 *tapuskae* (Hottes & Frison, 1931)	*tapuskae* (Hottes & Frison, 1931)
S. ASTEROBIUM Hille Ris Lambers, 1938	Subgen. *Asterobium* Hille Ris Lambers, 1938
464 *asteris* (Walker, 1849)	*(Asterobium) asteris* (Walker, 1849)
AMPHOROPHORA Buckton, 1876	*AMPHOROPHORA* Buckton, 1876
465 *ampullata* Buckton, 1876	*ampullata* Buckton, 1876
S. EUNECTAROSIPHON Del Guercio, 1913	*AMPHOROPHORA* Buckton, 1876
467 *gei* (Börner, C., 1939)	*gei* (Börner, 1939)
468 *rubi* (Kaltenbach, 1843)	*rubi* (Kaltenbach, 1843)
MEGOURA Buckton, 1876	*MEGOURA* Buckton, 1876
470 *viciae* Buckton, 1876	*viciae* Buckton, 1876
MEGOURELLA Hille Ris Lambers, 1949	*MEGOURELLA* Hille Ris Lambers, 1949
471 *purpurea* Hille Ris Lambers, 1949	*purpurea* Hille Ris Lambers, 1949
MASONAPHIS Hille Ris Lambers, 1939	*ILLINOIA* Wilson, 1910 Subgen. *Masonaphis* Hille Ris Lambers, 1939
741 *lambersi* MacGillivray, 1960	*(Masonaphis) lambersi* (MacGillivray, 1960)
S. ERICOBIUM MacGillivray, 1958	*ILLINOIA* Wilson, 1910
475 *goldamaryae* (Knowlton, 1938)	*goldamaryae* (Knowlton, 1938)
476 *morrisoni* (Swain, 1918)	*morrisoni* (Swain, 1918)
WAHLGRENIELLA Hille Ris Lambers, 1949	*WAHLGRENIELLA* Hille Ris Lambers, 1949
* 477 *Arbuti* (Davidson, W. M., 1910)	*nervata* subsp. *arbuti* (Davidson, 1910)
479 *vaccinii* (Theobald, 1924)	*vaccinii* Theobald, 1924
† 782 *nervata* (Gillette, 1908)	*nervata* (Gillette, 1908)
ANOECIA Koch, C. L., 1857	*ANOECIA* Koch, 1857
480 *corni* (Fabricius, 1775)	*corni* (Fabricius, 1775)
483 *vagans* (Koch, C. L., 1856)	*vagans* (Koch, 1856)
GLYPHINA Koch, C. L., 1856	*GLYPHINA* Koch, 1856
487 *betulae* (Linnaeus, 1758)	*betulae* (Linnaeus, 1758)
THELAXES Westwood, 1840	*THELAXES* Westwood, 1840
490 *dryophila* (Schrank, 1801)	*dryophila* (Schrank, 1801)
MINDARUS Koch, C. L., 1857	*MINDARUS* Koch, 1857
491 *abietinus* Koch, C. L., 1857	*abietinus* Koch, 1857
HORMAPHIS Osten-Sacken, 1861	*HORMAPHIS* Osten-Sacken, 1861
496 *betulina* (Horvath, 1896)	*Hamamelistes betulinus* (Horvath, 1896)

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TABLE 1—*continued*

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
ERIOSOMA Leach, 1818	*ERIOSOMA* Leach, 1818
497 *lanigerum* (Hausmann, 1802)	*lanigerum* (Hausmann, 1802)
SCHIZONEURA Hartig, T., 1839	Subgen. *Schizoneura* Hartig, 1839
499 *patchae* Börner, C., and Blunck, 1916	*(Schizoneura) patchiae* (Börner & Blunck, 1916)
500 *ulmi* (Linnaeus, 1758)	*(Schizoneura) ulmi* (Linnaeus, 1758)
KALTENBACHIELLA Schouteden, 1906	*KALTENBACHIELLA* Schouteden, 1906
502 *pallida* (Haliday, 1838)	*pallida* (Haliday, 1838)
TETRANEURA Hartig, T., 1841	*TETRANEURA* Hartig, 1841
503 *ulmi* (Linnaeus, 1758)	*ulmi* (Linnaeus, 1758)
ASIPHUM Koch, C. L. 1856	*ASIPHUM* Koch, 1856
505 *tremulae* (Linnaeus, 1761)	*tremulae* (Linnaeus, 1761)
PROCIPHILUS Koch, C. L., 1857	*PROCIPHILUS* Koch, 1857
507 *fraxini* (Geoffroy, 1762)	? *fraxini* (Fabricius, 1777)
508 *pini* (Burmeister, 1835)	*(Stagona) pini* (Burmeister, 1835)
MIMEURIA Börner, C., 1952	*MIMEURIA* Börner, 1952
510 ulmiphila (Del Guercio, 1917)	*ulmiphila* (del Guercio, 1917)
THECABIUS Koch, C. L., 1857	*THECABIUS* Koch, 1857
512 *affinis* (Kaltenbach, 1843)	*affinis* (Kaltenbach, 1843)
PEMPHIGUS Hartig, T., 1839	*PEMPHIGUS* Hartig, 1839
S. PARATHECABIUS Börner, C., 1950	*THECABIUS* Koch, 1857 Subgen. *Parathecabius* Börner, 1950
523 *lysimachiae* (Börner, C., 1916)	*(Parathecabius) lysimachiae* (Börner, 1916)
S. PEMPHIGINUS Börner, C., 1930	*PEMPHIGUS* Hartig, 1839
524 *populi* Courchet, 1879	*populi* Courchet, 1879
SMYNTHURODES Westwood, 1849	*SMYNTHURODES* Westwood, 1849
526 *betae* Westwood, 1849	*betae* Westwood, 1849
FORDA von Heyden, C. H. G., 1837	*FORDA* von Heyden, 1837
527 *formicaria* von Heyden, C. H. G., 1837	*formicaria* von Heyden, 1837
S. PENTAPHIS Horvath, 1896	*FORDA*, von Heyden, 1837
528 *marginata* Koch, C. L., 1857	*marginata* Koch, 1857
APLONEURA Passerini, 1863	*APLONEURA* Passerini, 1863
530 *lentisci* (Passerini, 1856)	*lentisci* (Passerini, 1856)
BAIZONGIA Rondani, 1848	*BAIZONGIA* Rondani, 1848
531 *pistaciae* (Linnaeus, 1767)	*pistaciae* (Linnaeus, 1767)
GEOICA Hart, 1894	*GEOICA* Hart, 1894
532 *setulosa* (Passerini, 1860)	*setulosa* (Passerini, 1860)
* 533 *utricularia* (Passerini, 1856)	*urticularia* group (Passerini, 1856)
MELANAPHIS van der Goot, 1917	*MELANAPHIS* van der Goot, 1917
726 *elizabethae* (Ossiannilsson, 1967)	*elizabethae* (Ossiannilsson, 1967)
727 *pyraria* (Passerini, 1861)	*pyraria* (Passerini, 1861)
SEMIAPHIS van der Goot, 1913	*SEMIAPHIS* van der Goot, 1913
728 *dauci* (Fabricius, 1775)	*dauci* (Fabricius, 1775)
**NEARCTAPHIS* Shaposhnikov, 1950	*NEARCTAPHIS* Shaposhnikov, 1950
733 *bakeri* (Cowen, 1895)	*bakeri* (Cowen, 1895)
UTAMPHOROPHORA Knowlton, 1947	*UTAMPHOROPHORA* Knowlton, 1947
751 *humboldti* (Essig, 1941)	*humboldti* (Essig, 1941)
CEDROBIUM Remaudière, 1954	*CEDROBIUM* Remaudière, 1954
756 *laportei* Remaudière, 1954	*laportei* Remaudière, 1954
1000 *EULACHNUS* Del Guercio, 1909	*EULACHNUS* del Guercio, 1909
1001 *PERIPHYLLUS* van der Hoeven, 1863	*PERIPHYLLUS* van der Hoeven, 1863
*1002 *CHAITOPHORUS* Koch, C. L., 1854	*CHAITOPHORUS* Koch, 1854
1003 *MYZOCALLIS* Passerini, 1860	*MYZOCALLIS* Passerini, 1860
1004 *PTEROCOMMA* Buckton, 1879	*PTEROCOMMA* Buckton, 1879
1005 *APHIS* Linnaeus, 1758	*APHIS* Linnaeus, 1758

https://doi.org/10.23637/ERADOC-1-25 *pp 15*

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TABLE 1—*continued*

Names in current use by Rothamsted Insect Survey (based on Kloet & Hincks, 1964)	Names according to Eastop & Hille Ris Lambers (1976)
*1006 *DYSAPHIS* Börner, C., 1951	*DYSAPHIS* Börner, 1951
*1007 *HYPEROMYZUS* Börner, C., 1933	*HYPEROMYZUS* Börner, 1933
1008 *METOPOLOPHIUM* Mordvilko, 1914	*METOPOLOPHIUM* Mordvilko, 1914
1009 *MACROSIPHUM* Passerini, 1860	*MACROSIPHUM* Passerini, 1860
1010 *ERIOSOMA* Leach, 1818	*ERIOSOMA* Leach, 1818
1011 *NASONOVIA* Mordvilko, 1914	*NASONOVIA* Mordvilko, 1914
*1019 *CRYPTOMYZUS* Oestlund, 1923	*CRYPTOMYZUS* Oestlund, 1922
1024 *TUBERCULOIDES* van der Goot, 1915	*TUBERCULATUS* Mordvilko, 1894 Subgen. *Tuberculoides* van der Goot, 1915
1030 *MYZUS* Passerini, 1860	*MYZUS* Passerini, 1860
1031 *SITOBION* Mordvilko, 1914	*SITOBION* Mordvilko, 1914
1036 *DIURAPHIS* Aizenberg, 1935	*DIURAPHIS* Aizenberg, 1935
*1045 *RHOPALOSIPHUM* Koch, C. L., 1854	*RHOPALOSIPHUM* Koch, 1854
1046 *CAVARIELLA* Del Guercio, 1911	*CAVARIELLA* del Guercio, 1911
1500 *CINARA* Curtis, 1835	*CINARA* Curtis, 1835
1501 *SUBSALTUSAPHIS* Quednau, 1953	*SUBSALTUSAPHIS* Quednau, 1953
1503 *HOLCAPHIS* Hille Ris Lambers, 1939	*DIURAPHIS* Aizenberg, 1935 Subgen. *Holcaphis* Hille Ris Lambers, 1939
1503 *DACTYNOTUS* Rafinesque, 1818	*UROLEUCON* Mordvilko, 1914
1504 *UROMELAN* Mordvilko, 1914	*UROLEUCON* Mordvilko, 1914 Subgen. *Uromelan* Mordvilko, 1914
1505 *AMPHOROPHORA* Buckton, 1876	*AMPHOROPHORA* Buckton, 1876
*1506 *PEMPHIGUS* Hartig, T., 1839	*PEMPHIGUS* Hartig, 1839
2002 *ADELGES* Vallot, 1836	*ADELGES* Vallot, 1836 *(Adelgidae)*
2003 *PHYLLOXERA* Boyer de Fonscolombe, 1834	*PHYLLOXERA* Boyer de Fonscolombe, 1834 *(Phylloxeridae)*

*Correction to Taylor *et al.* (1981) Table 3.
†Addition to Taylor *et al.* (1981) Table 3.

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TABLE 2

Corrections and additions to Table 4 in Taylor et al. *(1981)*

Heslop's no.	South's English names	South's Latin names	Kloet & Hincks' Latin names
* 127	Figure of Eighty	*Tethea ocularis*	*Tethea ocularis* Linn. ssp. *octogesimea* Hb.
* 131	Oak Lutestring	*Asphalia diluta*	*Cymatophorima diluta* D. & S. ssp. *hartwiegi* Reisser
349	Grey Arches	*Polia nebulosa*	*Polia nebulosa* Hufn.
612	Light Crimson Underwing	*Catocala promissa*	*Catocala promissa* D. & S.
839	Shaded Pug	*Eupithecia subumbrata*	*Eupithecia subumbrata* D. & S.
840	Plain Pug	*subnotata*	*simplicata* Haw.
842	Thyme Pug	*distinctaria*	*distinctaria* H.-S. ssp. *constrictata* Gn.
843	Slender Pug	*tenuiata*	*tenuiata* Hb.
844	Maple Pug	*inturbata*	*inturbata* Hb.
845	Haworth's Pug	*haworthiata*	*haworthiata* Doubl.
846	Lead-coloured Pug	*plumbeolata*	*plumbeolata* Haw.
847	Toadflax Pug	*linariata*	*linariata* D. & S.
848	Foxglove Pug	*pulchellata*	*pulchellata* Steph.
849	Marbled Pug	*irriguata*	*irriguata* Hb.
850	Mottled Pug	*exiguata*	*exiguata* Hb.
851	Pinion-spotted Pug	*insigniata*	*insigniata* Hb.
852	Valerian Pug	*valerianata*	*valerianata* Hb.
854	Netted Pug	*venosata*	*venosata* Fab.
855	Lime-speck Pug	*centaureata*	*centaureata* D. & S.
857	Edinburgh Pug	*intricata*	*centaureata* D. & S.
858	Satyr Pug	*satyrata*	*satyrata* Hb.
859	White-spotted Pug	*tripunctaria*	*tripunctaria* H.-S.
860	Wormwood Pug	*absinthiata*	*absinthiata* Clerck
861	Ling Pug	*goosensiata*	*goosensiata* Mab.
862	Bleached Pug	*expallidata*	*expallidata* Doubl.
863	Currant Pug	*assimilata*	*assimilata* Doubl.
864	Common Pug.	*vulgata*	*vulgata* Haw.
866	Grey Pug	*castigata*	*subfuscata* Haw.
867	Tawny-speckled Pug	*icterata*	*icterata* Vill. ssp. *subfulvata*
868	Bordered Pug	*succenturiata*	*succenturiata* Linn.
869	Ochreous Pug	*indigata*	*indigata* Hb.
870	Pimpinel Pug	*pimpinellata*	*pimpinellata* Hb.
871	Scarce Pug	*extensaria* ssp. *occidua*	*extensaria* Frey. ssp *occidua*
872	Narrow-winged Pug	*nanata*	*nanata* Hb. ssp *angusta* Prout
874	Ash Pug	*innotata* ssp. *fraxinata*	*fraxinata* Crewe
876	Golden-rod Pug	*virgaureata*	*virgaureata* Doubl.
877	Brindled Pug	*abbreviata*	*abbreviata* Steph.
878	Oak-tree Pug	*dodoneata*	*dodoneata* Guen.
879	[Mediterranean Pug]	*phoenciata*	*phoeniciata* Ramb.
880	Juniper Pug	*sobrinata*	*pusillata* D. & S.
822	Larch Pug	*lariciata*	*lariciata* Freyer
883	Dwarf Pug	*tantillaria*	*tantillaria* Boisd.
884	V-Pug	*Chlorochlystis coronata*	*Chloroclystis v-ata* Haw.
885	Bilberry Pug	*debiliata*	*debiliata* Hb.
886	Green Pug	*rectangulata*	*rectangulata* Linn.
887	Double-striped Pug	*Gymnoscelis pumilata*	*Gymnoscelis rufifasciata* Haw.
2519	[Sloe Pug]		*Chloroclystis chloerata* Mab.
2523			*Lomographa cararia* Hb.
2524			*Hadena luteago* D. & S.
2525			*Colostygia aptata* Hb.
2526			*Catocala nymphagoga* Esp.
2527			*Plusia* spp.
2528	[Processionary Moth]		*Thaumatopaea processionea* Linn.

Corrections are marked *

https://doi.org/10.23637/ERADOC-1-25 **pp 17**

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TABLE 3

Corrections and additions to suction and light trap site lists in Taylor et al. *(1981)*

Corrections to Table 1 (suction traps)

Station no.	Station name	Grid reference	Date trapping commenced	Date trapping finished	Operator
922	Preston	SD 498401	29 April 1974		Lancashire College of Agriculture

Corrections to Table 2 (light traps)

No.	Name	Grid reference	Years operating: 1st year	Years operating: No. years	Environmental category	Operator or organization
370	Sheppey	TQ 952 738	1977	8	Coastal	Mr G. Burton

Additions to Table 2 (light traps)

No.	Name	Grid reference	Years operating: 1st year	Years operating: No. years	Environmental category	Operator or organization
406	Lordsfield	SU 507 503	1980	1	Mixed	A. J. Dobson
408	Alston	NY 709 447	1980	1	Moorland	A. R. Huntley
410	Harrogate	SE 290 510	1980	4	Farmland	G. H. Foggit
412	Eaton Bray	SP 976 207	1980	4	Mixed	G. J. Buss
413	Pirbright	SU 954 541	1981	1	Farmland	J. Boorman and E. Denison
414	Luddington	SP 164 525	1980	4	Farmland	Mrs K. Littlewood (Exp. Hort. Stn)
415	Reay	NC 958 645	1980	3	Farmland	J. M. Gunn
416	Forest in Teesdale	NY 853 306	1981	3	Moorland	I. M. Findlay (NCC)
417	Long Ashton	ST 536 698	1981	1	Farmland	N. F. Milsom
418	Stronchrubie	NC 251 190	1980	4	Farmland	P. Macgregor (NCC)
421	Morvich	NC 754 007	1982	2	Farmland	M. Canham
424	Compton Park	SO 890 990	1981	3	Urban	Dr R. D. Ward
425	Hamsterley	NZ 082 311	1982	1	Woodland	B. Walker (FC)
426	Low Newton by the Sea	NU 242 244	1981	3	Coastal	M. Freeman
430	Latheron	ND 191 330	1982	1	Coastal	Mrs J. Erridge
435	Chalfont St Giles	SU 986 935	1982	1	Urban	M. Stockley
436	Halstead	TL 817 300	1982	2	Urban	R. Boreham
438	Beaumaris	SH 612 795	1982	2	Urban	B. Cooper
439	Sherwood	SK 626 681	1982	2	Woodland	L. Bee
440	Aberporth	SN 235 522	1982	2	Coastal	G. Williams and Commdr. E. Verge
442	Acklington	NU 234 018	1983	1	Urban	N. Richardson
444	Evesham	SP 047 443	1983	1	Urban	D. Richardson

The number of years operating indicates completed years trapping up to the end of 1984.

It was not made clear in Taylor *et al.* (1981) that many of the trap operators identified their own insects and a few people were responsible for identifying catches from a large number of sites. The acknowledgements listed only those who did not operate traps. Our thanks are now expressed to Mr T. C. Dunn, M.B.E., Dr J. Parrack, Mr I. J. L. Tillotson and Mr T. G. Winter who undertake the identification of many additional trap catches. We are greatly indebted to them for their unstinting help. Our thanks are also extended to Mr M. J. Sterling as an additional voluntary worker.

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TABLE 4

Variance and mean statistics for moth samples in 1·2 m light traps of the Rothamsted Insect Survey from 1964–82

Sp. No.	Species name		Functional regression G.M.*b*	G.M.*a*	N_s / N_t	$\log_{10}m$ min	$\log_{10}m$ mean	$\log_{10}m$ max	$\log_{10}s^2$ min	$\log_{10}s^2$ mean	$\log_{10}s^2$ max	r^2
96.	*Deilephila elpenor*	*s*	1·87	1·30	10	−1·49	−0.97	−0·57	−1·27	−0·51	0·50	0·87
		t	1·36	0·44	9	−0·95	−0·39	0·71	−0·65	−0·09	1·69	0·92
102.	*Harpyia furcula*	*s*	1·54	0·85	8	−1·47	−1·07	−0·80	−1·25	−0·80	−0·20	0·84
		t	1·67	0·60	6	−0·73	−0·51	0·15	−0·53	−0·25	0·94	0·94
104.	*Stauropus fagi*	*s*	1·97	1·40	13	−1·34	−0·99	−0·39	−1·16	−0·55	0·76	0·95
		t	1·50	0·29	8	−0·51	−0·14	0·88	−0·40	0·08	1·58	0·92
106.	*Drymonea dodonea*	*s*	2·09	1·26	16	−0·90	−0·02	0·42	−0·60	1·22	2·14	0·96
		t	1·52	0·32	22	−0·64	0·42	1·75	−0·44	0·96	2·98	0·94
107.	*Chaonia ruficornis*	*s*	2·15	1·23	17	−1·01	−0·63	−0·24	−0·94	−0·12	0·89	0·83
		t	1·58	0·36	13	−0·37	0·14	0·89	−0·21	0·58	1·82	0·88
114.	*Notodonta trepida*	*s*	2·27	1·23	16	−0·51	−0·08	0·42	0·14	1·05	2·23	0·94
		t	1·62	0·14	20	−0·48	0·35	1·69	−0·37	0·71	3·12	0·95
118.	*Odontosia carmelita*	*s*	2·27	1·56	15	−1·16	−0·88	−0·53	−1·05	−0·44	0·28	0·93
		t	1·18	0·26	9	−0·60	0·10	0·53	−0·41	0·38	1·09	0·87
122.	*Clostera curtula*	*s*	1·80	1·10	14	−1·35	−0·80	−0·41	−1·21	−0·34	0·32	0·81
		t	1·28	0·25	12	−0·70	−0·09	0·46	−0·40	0·13	1·06	0·85
127.	*Tethea ocularis*	*s*	2·16	1·38	12	−1·19	−0·79	−0·32	−1·08	−0·33	0·98	0·90
		t	2·01	0·57	14	−0·70	−0·22	0·64	−0·40	0·12	2·05	0·80
130.	*Tethea fluctuosa*	*s*	2·16	1·79	15	−1·27	−0·53	0·30	−0·74	0·65	2·41	0·97
		t	1·23	0·59	7	−0·51	0·13	1·89	−0·14	0·75	2·85	0·91
131.	*Asphalia diluta*	*s*	1·95	1·52	16	−0·50	0·18	0·77	0·45	1·87	3·13	0·99
		t	1·59	0·31	10	−0·15	0·73	2·17	−0·04	1·47	3·75	0·95
133.	*Polyploca ridens*	*s*	2·56	1·71	15	−1·01	−0·55	−0·06	−0·88	0·30	1·51	0·86
		t	1·40	0·35	15	−0·81	−0·06	1·39	−0·51	0·27	2·33	0·96
138.	*Euproctis chrysorrhoea*	*s*	2·07	1·76	16	−1·16	−0·21	0·82	−0·63	1·33	3·45	0·98
		t	1·75	0·47	10	−0·81	0·28	2·15	−0·51	0·96	4·34	0·95
144.	*Lymantria monacha*	*s*	2·24	1·44	16	−1·20	−0·21	0·18	−0·90	0·97	1·98	0·96
		t	1·71	0·14	13	−0·43	0·43	1·59	−0·26	0·88	2·88	0·96
150.	*Lasiocampa quercus*	*s*	1·36	0·64	16	−1·47	−0·91	−0·51	−1·11	−0·60	0·10	0·81
		t	1·49	0·36	14	−0·65	−0·19	0·26	−0·45	0·08	0·75	0·69
152.	*Macrothylacia rubi*	*s*	2·09	1·19	16	−0·77	−0·51	−0·17	−0·55	0·12	0·76	0·72
		t	1·45	0·45	19	−0·63	0·02	0·64	−0·41	0·48	1·61	0·85

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pp 19

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159. *Saturnia pavonia*	*s*	1·69	1·02	7	−1·34	−1·09	−0·90	−1·12	−0·82	−0·42	0·90
	t	0·82	0·08	8	−0·90	−0·56	0·06	−0·60	−0·38	0·38	0·82
162. *Drepana cultraria*	*s*	2·48	1·97	11	−1·38	−0·97	−0·68	−1·24	−0·44	0·45	0·78
	t	1·33	0·52	7	−0·70	−0·37	−0·06	−0·40	0·03	0·43	0·98
169. *Celama confusalis*	*s*	2·07	1·33	16	−1·34	−0·23	0·49	−1·17	0·85	2·26	0·96
	t	1·50	0·44	20	−0·70	0·10	1·75	−0·40	0·59	3·03	0·96
172. *Nudaria mundana*	*s*	1·99	1·41	16	−0·25	0·34	1·07	0·95	2·09	3·68	0·96
	t	1·73	0·52	19	−0·60	0·48	1·95	−0·28	1·35	4·10	0·96
173. *Thumatha senex*	*s*	2·14	1·55	14	−1·30	−0·37	0·26	−1·19	0·76	2·03	0·96
	t	1·63	0·58	16	−0·84	0·00	1·27	−0·58	0·58	2·79	0·95
178. *Lithosia deplana*	*s*	1·81	1·33	16	−1·24	−0·70	0·14	−0·99	0·06	1·44	0·98
	t	1·67	0·52	13	−0·70	0·26	0·82	−0·40	0·95	1·68	0·69
196. *Diacrisia sannio*	*s*	2·10	1·36	16	−0·81	−0·50	−0·14	−0·58	0·31	1·07	0·83
	t	1·30	0·26	16	−0·64	0·13	1·09	−0·50	0·43	1·90	0·91
270. *Hepialus hecta*	*s*	2·10	1·62	16	−1·34	−0·54	0·34	−0·98	0·49	2·21	0·94
	t	1·52	0·43	14	−0·70	−0·04	0·92	−0·40	0·37	1·82	0·85
274. *Euxoa tritici*	*s*	2·23	1·33	16	−0·71	−0·13	0·45	−0·32	1·04	2·43	0·94
	t	1·51	0·42	24	−0·60	0·05	1·35	−0·45	0·50	2·35	0·97
278. *Agrotis vestigialis*	*s*	2·29	1·50	16	−0·71	−0·16	0·48	−0·03	1·13	2·76	0·97
	t	1·33	0·49	12	−0·88	0·41	1·24	−0·57	1·04	2·39	0·92
292. *Peridroma porphyrea*	*s*	1·25	0·50	9	−1·27	−0·96	−0·71	−1·12	−0·70	−0·41	0·48
	t	1·29	0·46	10	−0·90	−0·41	0·30	−0·60	−0·07	1·08	0·86
295. *Spaelotis ravida*	*s*	1·81	1·26	9	−1·49	−0·96	−0·63	−1·27	−0·48	0·22	0·87
	t	1·59	0·44	7	−0·64	−0·31	0·36	−0·50	−0·05	1·10	0·90
305. *Amathes agathina*	*s*	2·09	1·58	16	−1·19	−0·57	0·22	−0·98	0·39	1·92	0·95
	t	1·47	0·61	16	−0·90	−0·07	1·49	−0·60	0·51	2·96	0·99
310. *Amathes castanea*	*s*	2·10	1·33	15	−1·04	−0·66	0·23	−0·70	−0·06	1·67	0·90
	t	1·53	0·41	17	−0·43	0·07	0·87	−0·14	0·52	2·40	0·66
316. *Amathes stigmatica*	*s*	1·89	1·56	11	−1·60	−0·93	−0·01	−1·38	−0·20	1·70	0·99
	t	1·50	0·64	10	−0·95	−0·36	0·94	−0·65	0·10	2·15	0·94
321. *Eurois occulta*	*s*	1·87	1·42	12	−1·64	−0·97	−0·54	−1·34	−0·39	0·50	0·81
	t	1·33	0·37	6	−0·51	−0·08	0·94	−0·20	0·26	1·64	0·90
328. *Euschesis orbona*	*s*	1·80	1·46	8	−1·68	−1·26	−0·86	−1·38	−0·81	0·02	0·93
	t	1·42	0·62	7	−0·54	−0·23	0·36	−0·24	0·29	1·11	0·83
330. *Euschesis interjecta*	*s*	1·81	1·10	13	−1·27	−0·88	−0·51	−1·13	−0·49	0·45	0·79
	t	1·38	0·53	14	−0·95	−0·41	0·42	−0·65	−0·04	1·36	0·93
332. *Lampra fimbriata*	*s*	1·23	0·54	13	−1·67	−1·10	−0·70	−1·37	−0·81	−0·29	0·78
	t	1·28	0·34	8	−0·60	−0·21	0·09	−0·30	0·07	0·35	0·65
347. *Polia hepatica*	*s*	1·49	1·14	6	−1·57	−1·29	−0·67	−1·35	−0·78	0·05	0·90
	t	1·55	0·77	6	−0·90	−0·44	0·11	−0·60	0·09	0·95	0·87

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Sp. No.	Species name		Functional regression G.M.*b*	G.M.*a*	N_s N_t	$\text{Log}_{10}m$ min	mean	max	$\text{Log}_{10}s^2$ min	mean	max	r^2
358.	*Hadena suasa*	*s*	2·13	1·77	15	−1·34	−0·40	0·10	−1·12	0·92	1·76	0·97
		t	1·52	0·58	8	−0·70	0·23	1·61	−0·40	0·93	2·80	0·93
361.	*Hadena bombycina*	*s*	1·87	1·33	15	−1·38	−0·44	0·05	−0·90	0·51	1·69	0·92
		t	1·45	0·47	13	−0·60	0·16	0·99	−0·37	0·70	2·13	0·89
366.	*Hadena conspersa*	*s*	2·36	1·85	14	−1·35	−0·52	0·30	−1·10	0·62	2·15	0·97
		t	1·27	0·41	9	−0·98	−0·30	1·71	−0·68	0·03	2·87	0·96
371.	*Hadena lepida*	*s*	2·26	1·69	15	−1·27	−0·64	0·18	−0·97	0·24	1·98	0·96
		t	1·58	0·42	11	−0·48	0·08	1·66	−0·28	0·55	2·89	0·92
383.	*Orthosia miniosa*	*s*	1·93	1·71	13	−1·25	−0·38	0·40	−0·86	0·98	2·34	0·99
		t	1·88	0·21	6	−0·30	0·71	1·43	−0·24	1·54	2·67	0·93
386.	*Orthosia populeti*	*s*	2·05	1·46	16	−1·37	−0·79	−0·06	−1·19	−0·16	1·59	0·91
		t	1·49	0·45	13	−0·78	−0·14	0·81	−0·58	0·24	1·89	0·89
391.	*Panolis flammea*	*s*	2·35	1·37	16	−1·02	−0·29	0·21	−0·97	0·69	1·90	0·95
		t	1·62	0·41	16	−0·70	0·16	1·17	−0·43	0·67	2·71	0·93
397.	*Leucania pudorina*	*s*	2·23	1·79	14	−1·24	−0·78	0·38	−1·11	0·09	2·60	0·96
		t	1·96	0·38	6	−0·18	0·38	1·65	−0·09	1·12	3·59	0·98
415.	*Arenostola fluxa*	*s*	2·00	1·67	14	−1·24	−0·39	0·02	−0·83	0·89	1·92	0·97
		t	1·89	0·03	7	−0·08	0·86	1·38	−0·01	1·66	2·84	0·97
433.	*Caradrina ambigua*	*s*	2·01	1·30	15	−1·01	0·04	0·64	−0·31	1·38	2·51	0·95
		t	1·58	0·60	26	−0·60	0·30	1·53	−0·48	1·07	3·34	0·93
438.	*Dypterygia scabriuscula*	*s*	1·83	1·18	13	−1·23	−0·84	−0·49	−0·83	−0·36	0·18	0·85
		t	1·59	0·26	10	−0·51	0·01	0·42	−0·44	0·28	1·07	0·87
446.	*Apamea epomidion*	*s*	1·75	1·14	16	−1·38	−1·03	−0·40	−1·21	−0·66	0·80	0·85
		t	0·96	0·25	9	−0·93	−0·43	0·18	−0·63	−0·16	0·61	0·94
449.	*Apamea unanimis*	*s*	2·20	1·52	13	−1·20	−0·86	−0·04	−1·06	−0·37	1·68	0·94
		t	1·33	0·57	14	−0·93	−0·54	0·22	−0·63	−0·15	0·63	0·82
452.	*Apamea infesta*	*s*	2·17	1·65	14	−1·01	−0·35	0·39	−0·64	0·89	2·45	0·95
		t	1·64	0·43	14	−0·67	0·08	1·89	−0·34	0·56	3·47	0·93
455.	*Apamea scolopacina*	*s*	1·80	1·30	15	−0·95	−0·29	0·12	−0·49	0·78	1·46	0·89
		t	1·31	0·42	18	−0·65	0·01	1·26	−0·52	0·43	1·63	0·92
457.	*Apamea ophiogramma*	*s*	2·02	1·44	12	−1·03	−0·78	−0·42	−0·76	−0·14	0·78	0·85
		t	1·21	0·31	8	−0·70	−0·18	0·74	−0·40	0·09	1·06	0·89
458.	*Apamea ypsillon*	*s*	2·30	1·73	15	−1·19	−0·82	0·07	−1·08	−0·16	1·90	0·96
		t	1·41	0·59	12	−0·95	−0·29	0·36	−0·65	0·18	1·12	0·94

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https://doi.org/10.23637/ERADOC-1-25 pp 21

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465. *Procus fasciuncula*	*s*	2·00	0·47	16	0·75	1·09	1·56	1·90	2·65	3·43	0·86
	t	1·74	0·27	91	−0·60	0·79	1·85	−0·31	1·64	3·81	0·91
466. *Procus literosa*	*s*	2·49	0·83	16	−0·28	0·06	0·39	1·95	0·98	0·26	0·55
	t	1·45	0·33	48	−0·78	0·08	1·06	−0·58	0·45	2·12	0·83
467. *Procus furuncula*	*s*	2·50	0·49	16	0·27	0·61	0·82	1·30	2·01	2·62	0·87
	t	1·57	0·35	56	−0·57	0·54	1·91	−0·31	1·20	3·43	0·87
481. *Celaena haworthii*	*s*	2·30	1·46	16	−0·58	−0·12	0·59	0·41	1·18	3·00	0·93
	t	1·50	0·44	16	−0·60	0·30	1·11	−0·18	0·89	2·45	0·90
482. *Celaena leucostigma*	*s*	2·10	1·44	16	−0·58	−0·22	0·37	0·15	0·98	2·22	0·94
	t	1·57	0·52	17	−0·65	0·36	1·33	−0·35	1·09	2·93	0·90
493. *Cosmia pyralina*	*s*	2·16	1·48	16	−0·68	−0·15	0·51	−0·25	1·16	2·57	0·95
	t	1·51	0·33	15	−0·60	0·27	1·55	−0·30	0·74	2·97	0·80
494. *Cosmia affinis*	*s*	2·05	1·58	16	−1·37	−0·67	−0·11	−1·20	0·21	1·32	0·96
	t	1·51	0·53	10	−0·60	0·12	1·04	−0·30	0·71	2·18	0·98
500. *Zenobia subtusa*	*s*	2·29	1·47	16	−1·12	−0·60	−0·15	−0·79	0·10	1·25	0·80
	t	1·97	0·51	16	−0·60	0·05	0·55	−0·30	0·61	2·00	0·75
514. *Apatele megacephala*	*s*	2·23	1·45	14	−1·01	−0·77	−0·26	−0·94	−0·27	0·81	0·88
	t	1·33	0·45	12	−0·57	−0·21	0·43	−0·30	0·17	0·91	0·52
517. *Apatele tridens*	*s*	2·24	1·56	11	−1·34	−0·97	−0·03	−1·09	−0·61	1·47	0·96
	t	1·57	0·59	9	−0·81	−0·46	0·24	−0·51	−0·13	1·39	0·84
518. *Apatele psi*	*s*	1·52	0·51	15	−0·69	−0·40	−0·06	−0·52	−0·10	0·44	0·84
	t	1·22	0·28	33	−0·73	−0·17	0·40	−0·53	0·07	0·84	0·82
520. *Apatele menyanthidis*	*s*	2·07	1·97	18	−1·67	−0·59	0·06	−1·37	0·75	1·99	0·99
	t	1·37	0·51	4	−0·78	0·00	1·76	−0·48	0·51	2·94	0·99
524. *Craniophora ligustri*	*s*	1·86	1·24	12	−1·42	−0·97	−0·40	−1·25	−0·56	0·76	0·94
	t	1·02	0·24	8	−0·70	−0·29	0·52	−0·47	−0·06	1·16	0·77
527. *Cucillia umbratica*	*s*	1·63	0·85	11	−1·31	−0·84	−0·30	−1·14	−0·52	0·39	0·89
	t	1·43	0·57	8	−0·70	−0·25	0·49	−0·35	0·21	1·22	0·81
537. *Lithomoia solidaginis*	*s*	1·32	0·75	9	−1·72	−1·12	−0·72	−1·42	−0·73	−0·11	0·90
	t	1·21	0·30	6	−0·78	−0·24	0·15	−0·48	0·01	0·66	0·82
545. *Xylena vetusta*	*s*	2·42	1·50	16	−1·09	−0·53	−0·05	−1·03	0·22	1·29	0·94
	t	1·79	0·16	12	−0·54	0·25	1·28	−0·24	0·61	2·21	0·83
559. *Griposia aprilina*	*s*	2·06	1·24	16	−1·20	−0·44	0·01	−0·90	0·33	1·21	0·92
	t	1·33	0·32	20	−0·70	−0·09	1·36	−0·52	0·20	1·90	0·95
564. *Parastichtis suspecta*	*s*	1·94	1·45	14	−1·50	−0·92	−0·20	−1·28	−0·33	1·07	0·97
	t	1·46	0·57	9	−0·78	0·00	0·64	−0·48	0·57	2·05	0·80
565. *Dryobotodes eremita*	*s*	1·95	1·25	16	−1·09	−0·13	0·50	−0·84	1·00	2·23	0·96
	t	1·55	0·54	21	1·60	0·33	−0·70	−0·40	1·05	3·05	0·95
567. *Dasypolia templi*	*s*	2·01	1·33	16	−1·13	−0·46	0·55	−0·95	0·41	2·37	0·96
	t	1·22	0·37	15	−0·64	0·11	0·88	−0·44	0·50	1·62	0·80

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Sp. No.	Species name		Functional regression G.M.b	Functional regression G.M.a	N_s N_t	$\text{Log}_{10}m$ min	$\text{Log}_{10}m$ mean	$\text{Log}_{10}m$ max	$\text{Log}_{10}s^2$ min	$\text{Log}_{10}s^2$ mean	$\text{Log}_{10}s^2$ max	r^2
568.	*Antitype flavicincta*	*s*	2·40	1·68	16	−1·16	−0·67	0·44	−0·87	0·07	2·57	0·96
		t	1·62	0·28	10	−0·43	−0·08	0·44	−0·33	0·15	1·35	0·64
582.	*Tiliacea citrago*	*s*	2·37	1·65	16	−1·20	−0·75	−0·39	−0·99	−0·13	0·59	0·90
		t	1·28	0·28	14	−0·60	−0·16	0·51	−0·41	0·08	0·88	0·87
583.	*Tiliacea aurago*	*s*	1·96	1·09	15	−0·71	−0·31	0·25	−0·26	0·48	1·68	0·96
		t	1·35	0·34	21	−0·75	0·08	1·18	−0·40	0·45	2·49	0·86
586.	*Cirrhia gilvago*	*s*	1·65	0·93	14	−1·03	−0·47	−0·09	−0·82	0·15	1·08	0·93
		t	1·48	0·50	28	−0·73	−0·01	0·70	−0·53	0·49	1·99	0·85
592.	*Bena fagana*	*s*	1·53	0·79	16	−1·18	−0·81	−0·49	−1·09	−0·45	0·12	0·87
		t	1·20	0·25	16	−0·70	−0·08	0·37	−0·40	0·15	0·81	0·82
603.	*Lithacodia fasciana*	*s*	1·98	1·47	16	−1·20	−0·09	0·37	−0·90	1·29	2·28	0·93
		t	1·47	0·46	17	−0·67	0·39	1·70	−0·47	1·03	3·19	0·93
606.	*Eustrotia uncula*	*s*	1·57	0·99	10	−1·35	−0·95	−0·54	−1·01	−0·50	0·25	0·74
		t	1·47	0·37	8	−0·48	−0·17	0·56	−0·28	0·12	1·32	0·91
636.	*Plusia interrogationis*	*s*	1·87	1·33	13	−1·25	−1·01	−0·55	−1·02	−0·56	0·29	0·90
		t	1·22	0·24	9	−0·78	−0·14	0·56	−0·48	0·07	1·24	0·91
644.	*Lygephila pastinum*	*s*	1·92	1·38	14	−1·49	−1·01	−0·32	−1·25	−0·56	1·06	0·84
		t	1·11	0·20	10	−0·65	−0·12	0·60	−0·35	0·07	0·79	0·83
650.	*Parascotia fuliginaria*	*s*	1·87	1·30	16	−0·87	−0·33	0·26	−0·36	0·68	1·61	0·98
		t	1·34	0·21	9	−0·60	0·73	1·29	−0·30	1·19	2·19	0·92
652.	*Bomolocha crassalis*	*s*	2·30	1·82	15	−1·04	−0·27	0·99	−0·70	1·20	3·98	0·99
		t	1·55	0·60	11	−0·70	−0·14	1·65	−0·40	0·38	3·05	0·86
665.	*Herminia barbalis*	*s*	1·59	1·31	14	−1·77	−0·96	−0·01	−1·47	−0·22	1·53	0·98
		t	1·35	0·67	12	−0·95	−0·28	0·76	−0·65	0·29	1·56	0·92
673.	*Comibaena pustulata*	*s*	2·11	1·26	16	−0·80	−0·26	0·03	−0·37	0·71	1·32	0·93
		t	1·54	0·33	17	−0·30	0·44	1·18	−0·15	1·01	2·22	0·89
679.	*Hemistola immaculata*	*s*	2·26	1·48	16	−0·93	−0·43	0·22	−0·46	0·51	2·14	0·93
		t	1·59	0·27	15	−0·60	0·12	1·14	−0·30	0·46	2·58	0·86
682.	*Cosymbia albipunctata*	*s*	1·83	1·25	16	−1·34	−0·63	−0·06	−1·17	0·10	1·09	0·96
		t	1·23	0·24	10	−0·18	0·28	1·26	−0·18	0·58	1·80	0·71
687.	*Cosymbia punctaria*	*s*	1·82	1·30	16	−1·44	−0·57	−0·14	−1·15	0·26	0·88	0·89
		t	1·21	0·24	11	−0·60	0·28	1·20	−0·41	0·58	1·66	0·91
688.	*Cosymbia linearia*	*s*	1·74	1·27	16	−1·49	−0·86	−0·33	−1·27	−0·23	0·85	0·95
		t	1·09	0·24	13	−0·81	−0·16	0·83	−0·51	0·07	1·04	0·87

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https://doi.org/10.23637/ERADOC-1-25 pp 23

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689. *Scopula ternata*	*s*	2·22	1·68	16	−0·71	−0·24	0·66	0·05	1·15	3·12	0·92	
	t	1·89	0·50	14	−0·48	0·51	1·48	−0·30	1·46	4·01	0·91	
701. *Sterrha vulpinaria*	*s*	2·05	1·66	11	−1·36	−0·67	0·05	−1·19	0·29	1·75	0·98	
	t	1·21	0·40	9	−0·95	−0·27	1·32	−0·65	0·07	2·17	0·94	
712. *Sterrha sylvestraria*	*s*	1·84	1·65	12	−1·67	−0·93	0·01	−1·37	−0·06	1·78	0·98	
	t	1·79	0·54	7	−0·30	0·19	1·29	−0·02	0·88	2·69	0·97	
716. *Sterrha straminata*	*s*	1·92	1·52	15	−1·68	−0·63	−0·02	−1·38	0·31	1·44	0·95	
	t	1·44	0·54	15	−0·81	−0·15	1·02	−0·51	0·32	2·31	0·91	
718. *Sterrha trigeminata*	*s*	2·11	1·49	16	0·02	0·26	0·52	1·51	2·04	2·53	0·83	
	t	1·38	0·48	21	−0·88	0·36	1·96	−0·57	0·98	3·25	0·95	
721. *Rhodometra sacraria*	*s*	1·96	1·48	7	−1·62	−0·87	0·29	−1·40	−0·23	2·49	0·94	
	t	1·84	0·84	8	−0·88	−0·29	0·43	−0·57	0·31	1·73	0·97	
723. *Xanthorhoe quadrifasciata*	*s*	1·95	1·27	16	−0·50	−0·13	0·54	0·16	1·02	2·43	0·95	
	t	1·62	0·51	25	−0·81	0·19	1·55	−0·51	0·82	3·14	0·90	
724. *Xanthorhoe munitata*	*s*	2·10	1·38	16	−0·42	0·35	1·11	0·55	2·11	3·63	0·95	
	t	1·61	0·37	18	−0·51	0·46	1·46	−0·44	1·11	3·19	0·90	
731. *Nycterosea obstipata*	*s*	2·15	1·41	12	−1·38	−0·76	0·55	−1·21	−0·22	3·02	0·92	
	t	1·53	0·59	15	−0·88	−0·32	0·27	−0·57	0·10	1·10	0·77	
732. *Colostygia olivata*	*s*	2·08	1·85	13	−1·34	−0·58	0·00	−0·94	0·64	1·81	0·94	
	t	1·55	0·70	8	−0·63	0·06	1·22	−0·25	0·79	2·96	0·97	
734. *Colostygia salicata*	*s*	2·41	1·50	16	−0·90	0·03	0·58	−0·51	1·57	3·05	0·96	
	t	1·55	0·62	17	−0·93	0·06	0·92	−0·63	0·71	2·03	0·93	
740. *Mesoleuca albicilata*	*s*	1·90	1·08	13	−1·19	−0·60	−0·04	−0·83	−0·06	0·89	0·85	
	t	1·41	0·43	19	−0·65	−0·22	0·67	−0·35	0·12	1·66	0·85	
741. *Entephria caesiata*	*s*	1·98	1·67	16	−0·34	0·30	1·00	1·08	2·26	3·66	0·93	
	t	1·78	0·40	14	−0·48	0·72	1·97	−0·37	1·68	3·53	0·94	
744. *Perizoma blandiata*	*s*	2·15	1·70	16	−1·12	−0·70	0·05	−0·64	0·19	1·33	0·85	
	t	1·92	0·25	7	−0·37	0·31	0·97	−0·21	0·85	1·94	0·96	
750. *Perizoma bifasciata*	*s*	1·50	0·87	15	−1·42	−0·75	−0·34	−1·06	−0·26	0·28	0·72	
	t	1·53	0·56	22	−0·70	−0·21	0·43	−0·50	0·24	1·23	0·81	
756. *Euphyia rubidata*	*s*	1·90	1·35	10	−1·64	−0·93	−0·52	−1·34	−0·42	0·53	0·87	
	t	1·70	0·48	9	−0·81	−0·17	0·60	−0·51	0·19	2·05	0·85	
763. *Lampropteryx otregiata*	*s*	1·87	1·40	15	−1·46	−0·40	0·46	−1·24	0·65	2·44	0·97	
	t	1·62	0·70	6	−0·54	0·38	1·47	−0·24	1·32	3·29	0·94	
764. *Electrophaes corylata*	*s*	2·01	0·99	16	−0·32	0·24	0·62	2·27	1·47	0·63	0·83	
	t	1·64	0·28	51	−0·54	0·24	1·70	−0·35	0·67	3·14	0·88	
773. *Plemyria rubiginata*	*s*	2·70	1·62	16	−1·03	−0·48	−0·05	−0·82	0·32	1·46	0·95	
	t	1·04	0·32	17	−0·88	−0·12	0·73	−0·57	0·20	0·93	0·60	
780. *Thera cognata*	*s*	2·24	1·32	16	−0·87	−0·29	0·05	−0·49	0·67	1·54	0·89	
	t	1·52	0·52	26	−0·88	0·04	1·32	−0·57	0·58	2·35	0·88	

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Sp. No.	Species name		Functional regression G.M.*b*	G.M.*a*	N_s N_t	$\text{Log}_{10}m$ min	mean	max	$\text{Log}_{10}s^2$ min	mean	max	r^2
783.	*Thera juniperata*	*s*	1·98	1·46	14	−1·24	−0·93	−0·40	−1·03	−0·38	0·81	0·84
		t	1·70	0·67	10	−0·93	−0·31	0·22	−0·63	0·14	1·28	0·79
786.	*Hydriomena ruberata*	*s*	2·33	1·75	11	−1·12	−0·82	−0·51	−0·80	−0·16	0·82	0·92
		t	1·18	0·51	11	−0·78	−0·22	0·27	−0·30	0·25	1·08	0·74
788.	*Philereme transversata*	*s*	1·92	1·35	16	−1·41	−0·40	0·01	−1·11	0·58	1·33	0·94
		t	1·22	0·31	15	−0·70	0·11	1·50	−0·40	0·44	2·07	0·91
789.	*Triphosa dubitata*	*s*	1·80	1·02	10	−1·37	−0·92	−0·28	−1·20	−0·64	0·52	0·95
		t	1·94	0·66	12	−0·70	−0·32	0·18	−0·44	0·04	1·01	0·72
791.	*Rheumaptera undulata*	*s*	2·32	1·35	16	−1·03	−0·45	−0·10	−0·82	0·31	1·41	0·84
		t	1·41	0·17	18	−0·84	0·09	1·12	−0·54	0·30	2·22	0·83
796.	*Epirrhoe tristata*	*s*	2·28	1·97	12	−1·49	−1·12	−0·77	−1·27	−0·58	0·34	0·94
		t	1·97	0·86	9	−0·70	−0·33	0·36	−0·50	0·21	1·20	0·84
797.	*Epirrhoe galiata*	*s*	1·91	1·33	16	−0·91	−0·41	0·20	−0·51	0·55	1·77	0·97
		t	1·53	0·47	12	−0·84	0·04	1·12	−0·54	0·53	2·72	0·92
801.	*Chesias rufata*	*s*	1·98	1·75	16	−1·34	0·00	0·52	−0·95	1·75	2·85	0·98
		t	1·78	0·30	11	−0·54	0·44	2·01	−0·24	1·08	3·79	0·90
804.	*Anaitis efformata*	*s*	2·29	1·70	14	−1·46	−0·97	−0·50	−1·24	−0·52	0·82	0·88
		t	1·15	0·33	13	−0·88	−0·32	0·11	−0·57	−0·04	0·66	0·53
805.	*Carsia sororiata*	*s*	1·54	1·17	9	−1·74	−1·19	−0·66	−1·44	−0·66	0·34	0·94
		t	1·35	0·47	7	−0·63	−0·36	0·37	−0·50	−0·02	1·03	0·85
807.	*Horisme vitalbata*	*s*	2·07	1·41	16	−0·94	−0·60	−0·18	−0·69	0·17	1·01	0·93
		t	1·01	0·24	9	−0·45	−0·03	0·73	−0·11	0·21	0·90	0·56
809.	*Horisme tersata*	*s*	2·16	1·31	16	−1·06	−0·51	−0·05	−0·98	0·21	1·22	0·91
		t	1·36	0·26	16	−0·54	−0·11	0·75	−0·45	0·11	1·68	0·88
810.	*Lobophora halterata*	*s*	1·73	1·20	9	−1·34	−0·94	−0·39	−1·06	−0·43	0·58	0·79
		t	1·61	0·58	11	−0·65	−0·29	0·07	−0·35	0·11	0·74	0·48
811.	*Mysticoptera sexalata*	*s*	1·99	1·30	15	−1·04	−0·59	−0·13	−0·89	0·13	0·99	0·93
		t	1·47	0·37	19	−0·48	0·02	0·95	−0·40	0·40	2·00	0·82
830.	*Asthena albulata*	*s*	2·28	1·74	15	−1·46	−0·71	0·06	−1·24	0·12	2·13	0·94
		t	2·04	0·63	14	−0·48	0·09	1·18	−0·18	0·81	3·21	0·92
832.	*Hydrelia flammeolaria*	*s*	1·83	1·05	13	−1·16	−0·84	−0·29	−1·06	−0·49	0·55	0·97
		t	1·46	0·45	20	−0·84	−0·21	0·51	−0·54	0·14	1·56	0·76
833.	*Hydrelia testaceata*	*s*	1·90	1·54	11	−1·47	−0·69	0·09	−1·30	0·23	1·73	0·98
		t	1·71	0·66	6	−0·43	0·43	1·08	0·05	1·40	2·62	0·97

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https://doi.org/10.23637/ERADOC-1-25 pp 25

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835. *Venusia cambrica*	*s*	2·56	1·34	16	−0·20	0·18	0·70	0·91	1·80	3·13	0·87		
	t	1·73	0·35	16	−0·56	0·60	2·09	−0·38	1·39	4·24	0·97		
894. *Bapta bimaculata*	*s*	2·02	1·32	16	−1·24	−0·28	0·66	−1·11	0·75	2·77	0·98		
	t	1·85	0·47	21	−0·70	0·30	1·58	−0·40	1·02	3·63	0·95		
901. *Semiothisa notata*	*s*	2·21	1·87	13	−1·43	−0·94	−0·20	−1·21	−0·21	1·43	0·94		
	t	1·43	0·52	7	−0·74	−0·31	0·58	−0·44	0·08	1·50	0·91		
910. *Ennomos autumnaria*	*s*	1·73	1·37	16	−1·15	−0·76	−0·11	−0·59	0·06	0·98	0·92		
	t	1·53	0·53	8	−0·30	0·36	0·90	−0·15	1·08	1·60	0·83		
930. *Apocheima hispidaria*	*s*	2·11	1·43	16	−1·07	−0·17	0·46	−0·78	1·07	2·66	0·98		
	t	1·69	0·15	13	−0·48	0·59	1·78	−0·18	1·15	3·75	0·91		
939. *Cleorodes lichenaria*	*s*	2·05	1·45	16	−0·99	−0·48	−0·10	−0·40	0·47	1·20	0·83		
	t	1·19	0·48	15	−0·70	−0·08	1·30	−0·22	0·38	1·68	0·82		
940. *Deileptenia ribeata*	*s*	1·98	1·63	16	−1·55	−0·77	−0·19	−1·33	0·11	1·41	0·96		
	t	1·66	0·57	8	−0·48	0·34	1·08	−0·18	1·13	2·18	0·78		
943. *Alcis jubata*	*s*	2·01	1·62	16	−0·37	0·21	1·01	0·95	2·04	3·54	0·98		
	t	1·63	0·58	12	−0·63	0·52	2·07	−0·50	1·43	4·46	0·94		
944. *Boarmia roboraria*	*s*	2·10	1·67	15	−1·08	−0·54	−0·11	−0·61	0·54	1·44	0·96		
	t	1·38	0·54	11	−0·70	0·23	1·33	−0·40	0·86	2·31	0·94		
945. *Pseudoboarmia punctinalis*	*s*	2·10	1·26	16	−0·89	−0·23	0·25	−0·61	0·78	1·63	0·91		
	t	1·50	0·36	17	−0·52	0·41	1·32	−0·37	0·97	2·58	0·93		
948. *Ectropis consonaria*	*s*	2·11	1·69	6	−1·34	−0·98	−0·63	−1·04	−0·38	0·45	0·81		
	t	1·64	0·66	8	−0·78	−0·29	0·24	−0·58	0·18	1·39	0·94		
949. *Ectropis extersaria*	*s*	1·93	1·36	16	−1·24	−0·47	0·17	−0·90	0·45	1·90	0·96		
	t	1·66	0·20	14	−0·48	0·37	1·30	−0·21	0·81	2·78	0·90		
950. *Aethalura punctulata*	*s*	2·44	1·43	14	−0·86	−0·23	0·16	−0·63	0·87	1·83	0·96		
	t	1·41	0·29	15	−0·57	0·08	1·55	−0·48	0·40	2·53	0·96		
952. *Pachycnemia hippocastanaria*	*s*	2·11	1·77	15	−0·56	0·16	0·95	0·53	2·11	3·86	0·99		
	t	1·69	0·24	10	−0·35	0·46	2·54	−0·22	1·02	4·90	0·96		
959. *Bupalus piniaria*	*s*	1·96	1·25	16	−1·20	−0·48	0·03	−0·90	0·31	1·21	0·89		
	t	1·31	0·38	18	−0·70	−0·04	1·06	−0·40	0·33	2·10	0·91		
965. *Dyscia fagaria*	*s*	2·46	1·72	16	−0·94	−0·69	−0·37	−0·84	0·02	0·68	0·76		
	t	1·04	0·29	14	−0·95	−0·10	1·08	−0·65	0·19	1·33	0·87		
968. *Aspitates ochrearia*	*s*	2·26	1·62	16	−1·07	−0·42	0·38	−0·91	0·67	2·51	0·98		
	t	1·56	0·37	11	−0·48	0·19	1·86	−0·18	0·67	3·46	0·96		
969. *Perconia strigillaria*	*s*	2·11	1·70	16	−1·27	−0·69	−0·08	−0·82	0·24	1·66	0·92		
	t	1·53	0·22	9	−0·48	0·34	1·31	−0·18	0·74	2·50	0·87		

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