

## FOURTH UPDATE TO A CHECKLIST OF THE LEPIDOPTERA OF THE BRITISH ISLES, 2013

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### Abstract

This update incorporates information published since 30 November 2019 and before 1 January 2021 into *A Checklist of the Lepidoptera of the British Isles, 2013*.

### Introduction

The *Checklist of the Lepidoptera of the British Isles* has previously been amended (Agassiz, Beavan & Heckford 2016a, 2016b, 2019 and 2020). This update details 4 species new to the main list and 3 to Appendix A. Numerous taxonomic changes are incorporated and country distributions are updated.

### CENSUS

The number of species now recorded from the British Isles stands at 2,558 of which 58 are thought to be extinct and in addition there are 191 adventive species.

#### ADDITIONAL SPECIES in main list

Also make appropriate changes in the index

15.0715	Phyllonorycter medicaginella (Gerasimov, 1930)	E
62.0382	Acrobasis fallouella (Ragonot, 1871)	E
70.1698	Eupithecia breviculata (Donzel, 1837) Rusty-shouldered Pug	E
72.089	Grammodes bifasciata (Petagna, 1786) Parallel Lines	E

The authorship and date of publication of *Grammodes bifasciata* were given by Brownsell & Sale (2020) as Petagan, 1787 but corrected to Petagna, 1786 by Plant (2020).

#### ADDITIONAL SPECIES in Appendix A

Also make appropriate changes in the index

49.0035	Platynota stultana Walsingham, 1884	E
72.0282	Olepa schleini Witt, Müller, Kravchenko, Hausmann & Speidel, 2005 Israeli Tiger Moth	E
70.2786	Plesiomorpha punctilineararia (Leech, 1891)	E

Two species not identified to species level have been published as new to Britain in this period and are recorded here for reference only:

*Micromelalopha* sp. (Howe, 2020).

*Earias* sp. (Emley & Gillibrand, 2020).

**CHANGE OF STATUS**

32.051	<i>Hypercallia citrinalis</i> (Scopoli, 1763)	Remove XE
62.041	<i>Eurhodope cirrigerella</i> (Zincken, 1818)	Remove X
73.143	<i>Oria musculosa</i> (Hübner, [1808])	Brighton Wainscot X
73.199	<i>Jodia croceago</i> ([Denis & Schiffermüller], 1775)	Orange Upperwing X

**TAXONOMIC CHANGES**

Also make appropriate changes in the index

- p. 8 4.064 delete genus **TRIFURCULA** and raise subgenus *GLAUCOLEPIS* to generic level.
- p. 8 4.065 insert **TRIFURCULA** as the genus name and place *LEVARCHAMA* as a junior synonym.
- p. 8 4.067 delete subgenus *TRIFURCULA*.
- p. 8 4.074 delete genus **ECTOEDEMA** and raise subgenus *ETAINIA* to generic level.
- p. 8 4.077 raise subgenus *FOMORIA* to generic level.
- p. 8 4.079 raise subgenus *ZIMMERMANNIA* to generic level.
- p. 8 4.082 raise subgenus *ECTOEDEMA* to generic level.
- p. 9 5.001 delete subfamily **OPOSTEGINAE**.
- p. 25 35.001 insert tribe name **ANACAMPSINI** after **ANACAMPSINAE**.
- p. 25 35.015 insert tribe name **CHELARIINI** after 35.014 *silacella* and 35.0145.
- p. 26 35.032 insert tribe name **PEXICOPIINI** after **APATETRINAE**.
- p. 26 35.035 insert tribe name **APATETRINI** after 35.034 *cerealella*.
- p. 28 35.083 insert tribe name **GELECHIINI** after **GELECHIINAE**.
- p. 29 35.108 insert tribe name **GNORIMOSCHEMINI** after 35.107 *gibbosella*.
- p. 31 35.141 insert tribe name **LITINI** after 35.140 *kroesmanniella*.
- p. 31 35.145 insert new generic name **NEOTELPHUSA** Janse, 1958 above *sequax* and after 35.144 *flavimaculella*.
- p. 47 49.133 insert new generic name **THYRAYLIA** Walsingham, 1897 in place of **COCHYLIS** Treitschke, 1829.
- p. 47 49.134 insert generic name **COCHYLIS** Treitschke, 1829 after 49.133 *nana*.
- p. 47 49.136 insert new generic name **NEOCOCHYLIS** Razowski, 1960 after 49.135 *flaviciliana*.
- p. 47 49.139 insert new generic name **COCHYLICHROA** Obratzsov & Swatschek, 1958 after 49.138 *molliculana*.
- p. 47 49.140 insert new generic name **BREVICORNUTIA** Razowski, 1960 after 49.139 *atricapitana*.
- p. 49 49.186 delete tribe name **ENDOTHEINI**.
- p. 49 49.194 delete tribe name **BACTRINI**.
- p. 63 62.013 insert new generic name **UNCINUS** Amsel, 1951 above *obductella*. **MOITRELIA** Leraut, 2001 becomes a junior synonym.
- p. 80 70.204 delete genus **BOUDINOTIANA**.
- p. 94 73.085 delete genus **NYCTOBRYA** and raise subgenus *BRYOPSIS* to generic level.
- p. 113 49.0161 insert tribe **SPARGANOTHINI** and genus **SPARGANOTHIS** Hübner, [1825] after **TORTRICINAE**.

- p. 114 49.0412 renumber this species to 49.0037 and move it and **PLATYNOTA** Clemens, 1860 to p.113 after **SPARGANOTHIS** Hübner, [1825].
- p. 114 49.3411 delete *deshaisiana* (Lucas, 1858) and leave *saltitans* (Westwood, 1858) as the only name.
- p. 122 72.0281 replace **PERICALLIA** Hübner, [1820] with **OLEPA** Watson, 1980.

#### ADDITIONAL TAXONOMIC CHANGES not reflected in changes to the checklist

The Commented checklist of European Gelechiidae (Huemer & Karsholt, 2020) places the genera of the Anomologinae and the genus *Teleiopsis* (within Gelechiinae) in a different taxonomic order to this Checklist. The same paper also places species in the genera *Bryotropha*, *Athrips* and *Scrobipalpa* in a different taxonomic order.

Minet (2015) places the genus *Diploseustis* in the subfamily LATHROTELINAE.

#### ADDITIONAL COUNTRY DISTRIBUTION

1.002	<i>Micropterix mansuetella</i>	W
2.002	<i>Paracrania chrysolepidella</i>	W
2.005	<i>Eriocrania salopiella</i>	W
4.012	<i>Stigmella aceris</i>	W
4.088	<i>Ectoedemia heringella</i>	W
7.002	<i>Nemophora metallica</i>	W
11.004	<i>Dahlica inconspicuela</i>	W
11.010	<i>Bacotia claustrella</i>	W
12.010	<i>Morphaga choragella</i>	W
12.035	<i>Niditinea striolella</i>	W
12.042	<i>Monopis fenestratella</i>	W
15.051	<i>Phyllonorycter lantanella</i>	I
15.055	<i>Phyllonorycter viminetorum</i>	W
15.065	<i>Phyllonorycter esperella</i>	I
16.021	<i>Cedestis gyssemiella</i>	W
19.011	<i>Acrolepiopsis assectella</i>	W
22.003	<i>Prays ruficeps</i>	W
27.003	<i>Oegoconia deauratella</i>	W
28.004	<i>Denisia similella</i>	W
28.011	<i>Borkhausenia minutella</i>	W
32.015	<i>Agonopterix scopariella</i>	I
33.001	<i>Ethmia dodecea</i>	W
34.007	<i>Cosmopterix orichalcea</i>	I
35.009	<i>Aproaerema polychromella</i>	W
35.025	<i>Dichomeris alacella</i>	W
35.042	<i>Bryotropha boreella</i>	W
35.050	<i>Aristotelia ericinella</i>	W
35.073	<i>Monochroa palustrellus</i>	W
35.092	<i>Mirificarma lentiginosella</i>	W
35.105	<i>Gelechia nigra</i>	W
35.127	<i>Tuta absoluta</i>	W

35.137	<i>Caryocolum tricolorella</i>		S
37.027	<i>Coleophora potentillae</i>		W
37.039	<i>Coleophora hemerobiella</i>		W
37.077	<i>Coleophora lassella</i>		W
39.005	<i>Chrysoclista linneella</i>		S W
40.007	<i>Mompha bradleyi</i>		W
42.001	<i>Pachyrhabda steropodes</i>		W
42.002	<i>Stathmopoda pedella</i>		W
49.054	<i>Cnephasia genitalana</i>		W
49.079	<i>Acleris shepherdana</i>		W
49.086	<i>Acleris logiana</i>		W
49.123	<i>Aethes beatricella</i>		W
49.153	<i>Apotomis sauciana</i>		I
49.181	<i>Lobesia occidentis</i>		W
49.186	<i>Endothenia gentianaeana</i>		S
49.256	<i>Epinotia cinereana</i>		W
49.278	<i>Gypsonoma minutana</i>		W
49.300	<i>Pseudococcyx turionella</i>		W
49.314	<i>Dichrorampha sylvicolana</i>		W
49.361	<i>Pammene ignorata</i>		W
62.010	<i>Elegia similella</i>		W
62.039	<i>Apomyelois bistriatella</i>		I
63.002	<i>Loxostege sticticalis</i>		I
63.006	<i>Pyrausta aurata</i>		I
63.042	<i>Diplopseustis perieresalis</i>		S
63.060	<i>Evergestis pallidata</i>		W
63.076	<i>Euchromius ocellae</i>		I
63.102	<i>Catoptria falsella</i>		I
63.120	<i>Schoenobius gigantella</i>		W
65.006	<i>Sabra harpagula</i>	Scarce Hook-tip	W
69.007	<i>Sphinx pinastri</i>	Pine Hawk-moth	W
70.033	<i>Cyclophora puppillaria</i>	Blair's Mocha	W
70.065	<i>Euphyia unangulata</i>	Sharp-angled Carpet	S
70.159	<i>Eupithicia phoeniceata</i>	Cypress Pug	W
70.164	<i>Eupithecia egenaria</i>	Fletcher's or Pauper Pug	W
70.174	<i>Eupithecia insigniata</i>	Pinion-spotted Pug	W
70.194	<i>Aplocera praeformata</i>	Purple Treble-bar	W
70.201	<i>Trichopteryx polycommata</i>	Barred Tooth-striped	W
70.204	<i>Archiearis notha</i>	Light Orange Underwing	W
70.230	<i>Angerona prunaria</i>	Orange Moth	W
70.302	<i>Hemistola chrysoprasaria</i>	Small Emerald	W
72.006	<i>Hypena obsitalis</i>	Bloxworth Snout	W
72.011	<i>Lymantria dispar</i>	Gypsy Moth	W
72.021	<i>Spilosoma urticae</i>	Water Ermine	W
72.030	<i>Euplagia quadripunctaria</i>	Jersey Tiger	W

72.033	<i>Coscinia striata</i>	Feathered Footman	W
72.064	<i>Lygephila cracca</i>	Scarce Blackneck	W
72.066	<i>Parascotia fuliginaria</i>	Waved Black	S
72.074	<i>Eublemma purpurina</i>	Beautiful Marbled	W
73.0041	<i>Thysanoplusia daubei</i>	Boathouse Gem	I
73.005	<i>Ctenoplusia limbirena</i>	Scar Bank Gem	W
73.0527	<i>Cucullia calendulae</i>	Marigold Shark	I
73.088	<i>Spodoptera cilium</i>	Dark Mottled Willow	W
73.137	<i>Arenostola phragmitidis</i>	Fen Wainscot	W
73.203	<i>Lithophane furcifera</i>	Conformist	W
73.231	<i>Aporophyla lutulenta</i>	Deep-brown Dart	W
73.313	<i>Euxoa tritici</i>	White-line Dart	W
73.347	<i>Noctua janthina</i>	Langmaid's Yellow Underwing	W

### DELETION OF COUNTRY DISTRIBUTION

4.079	<i>Ectoedemia atrifrontella</i>		Delete ‘?’
12.022	<i>Nemapogon picarella</i>		W
37.101	<i>Coleophora albicans</i>		W
63.032	<i>Udea fulvalis</i>		W
70.050	<i>Xanthorhoe biriviata</i>	Balsam Carpet	W
70.135	<i>Perizoma minorata</i>	Heath Rivulet	W
72.056	<i>Pechipogo strigilata</i>	Common Fan-foot	W
73.090	<i>Galgula partita</i>	Wedgeling	W
73.184	<i>Cirrhia ocellaris</i>	Pale-lemon Sallow	W
73.284	<i>Hadena albimacula</i>	White Spot	W
74.001	<i>Meganola strigula</i>	Small Black Arches	W

All the changes to the distribution list for Wales set out in the above two sections follow the papers by Tordoff (2020a and 2020b), with the exceptions of 35.009 & 49.181.

### CHANGE OF NUMBER

49.0412	<i>Platynota rostrana</i>	Renumber to 49.0034
72.0282	<i>Hypercompe scribonia</i>	Renumber to 72.0285

### NOTES RELATING TO ADDITIONS AND CHANGES

4. & 5. The Nepticulidae and Opostegidae were revised by Nieuwerkerken *et al.* (2016).
- 15.051 Found new to Ireland by D. Allen (Davis & Tordoff, 2020: 260).
- 15.065 Found new to Ireland by D. Allen (Davis & Tordoff, 2020: 260).
- 15.0715 Added to the British list by B. Arnfield (2019).
- 32.051 Refound by J. Hunter (2020).
- 35.009 Found new to Wales by S. Bebb (Davis & Tordoff, 2020).
- 35.137 Found new to Scotland by N. Voaden (Davis & Tordoff, 2020: 264).
- 39.005 Found new to Scotland by J.S.S. Charles & E.G. Hancock (Charles & Hancock, 2020).
- 49.0035 Found new to Britain by J. Feltwell (Agassiz & Feltwell, 2020).

- 49.090 – The synonymy of tribes *Euliini* and *Cochylini* and within *Olethreutini* was established by Regier *et al.* (2012).
- 49.090 –  
-49.142 The synonymy of the *Cochylini* was revised by Brown *et al.* (2019).
- 49.133 The status of the generic name *Thyraylia* was revised by Metzler & Brown (2014).
- 49.153 Found new to Ireland by M.K. Lindsay (Davis & Tordoff, 2020: 271).
- 49.181 Found new to Wales by G. Tordoff (Davis & Tordoff, 2020: 271).
- 49.186 Found new to Scotland by R. & B. Mearns (Davis & Tordoff, 2020: 271).
- 49.3411 *Cydia deshaisiana* is shown to be a *nomen nudum* by Gilligan, Brown & Baixeras (2020: 46).
- 62.013 The new synonymy of *Uncinus* and *Moitrelia* has been published by Slamka (2019: 43).
- 62.0382 Found new to Britain by T. Freed (2020).
- 62.041 Refound by various and published by L. Evans (2020).
- 63.002 Found new to Ireland by L. Thompson (Davis & Tordoff, 2020: 276).
- 63.006 Found new to Ireland by P. Keown (Littlewood *et al.*, 2020).
- 63.042 Found new to Scotland by N. Candlish (Candlish & Young, 2020).
- 69.007 Found new to Wales by S. Bosanquet (Tordoff, 2020b: 48).
- 70.065 Found new to Scotland by D. Menzies, W. Stein & R. W. Forrester (Forrester, 2020).
- 70.1698 Found new to Britain by D. Saunders (2020).
- 70.204 We follow Aarvik *et al.* (2017: 121) in reverting 70.204 *notha* to the genus **ARCHIEARIS**.
- 70.2786 Added to the British list by J. Durham (Davies, 2020: 12).
- 72.0281 *Olepa* Watson 1980 was published in *The Generic Names of Moths of the World* by Watson, Fletcher & Nye (1980: 133).
- 72.0282 Added to the British list by N. Odin (Odin & Higgott, 2020).
- 72.066 Found new to Scotland by M. Cubitt (2020: 85).
- 72.074 Found new to Wales by G. Clarke (Tordoff, 2020b: 49).
- 72.089 Added to the British list by T. Brownsell & B. Sale (2020).
- 73.0041 Found new to Ireland by T. Bryant (2020).
- 73.0527 Omitted from the distribution list in the third update (Agassiz *et al.*, 2020).
- 73.085 The subgenus *Bryophila* was raised to generic status by Vargas-Rodríguez *et al.* (2020).
- 73.143 Given as extinct by M. S. Parsons (2020: 58).
- 73.199 Given as extinct by M. S. Parsons (2020: 58).

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## CORRIGENDA

- p. 68    63.105 change Bleszynski, 1957 to Bleszyński, 1957.  
p. 94    73.085 change Boursin, 1969 to Boursin, 1970.  
p. 122   72.0282 change to 72.0285.

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