

Moths of Keele University

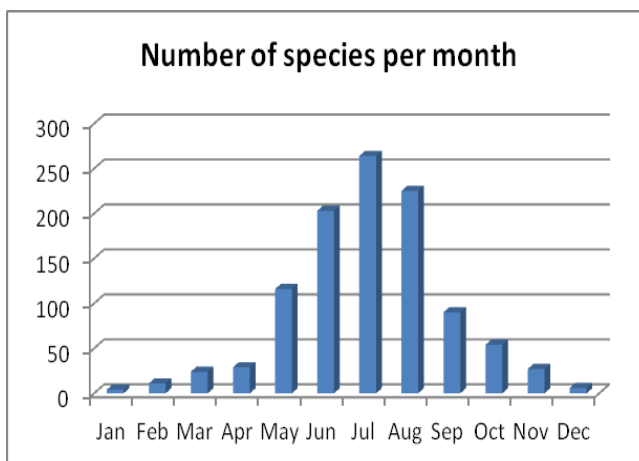
Updated to December 2020

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Moths, like the butterflies, belong to the Lepidoptera; a section of the insect kingdom characterised by the possession of a coiled proboscis and wings and body that are covered in minute scales. There are some 2500 species in the British Isles. Of these only 70 or so are butterflies, around 50 of which are native. The remaining 2400 are moths. Despite their greater number they have never received the attention that the butterflies have, probably because of their nocturnal habits.

At Keele moths were recorded using a Robinson-style moth trap which incorporates a 125W mercury-vapour lamp. The trap has in the past been operated on the roof of the Huxley Building, then by the greenhouses that stood where the Oaks halls of residence now are, and latterly in the Walled Garden. Inside the trap are egg cartons amongst which the moths hide. The trap is left on all night and the catch examined in the morning after which the moths are released unharmed into cover. However, not all moths fly at night and those that don't can often be seen on flowers like thistles and Ragwort. I have so far recorded 465 species of moth out of a Staffordshire total of around 1400. This large total reflects the range of habitats and food plants available at Keele. This long-term survey finished on my retirement in 2016 but a resident, **Jane Wallace**, is now running a trap in her garden at Springpool and her data is incorporated in this list.

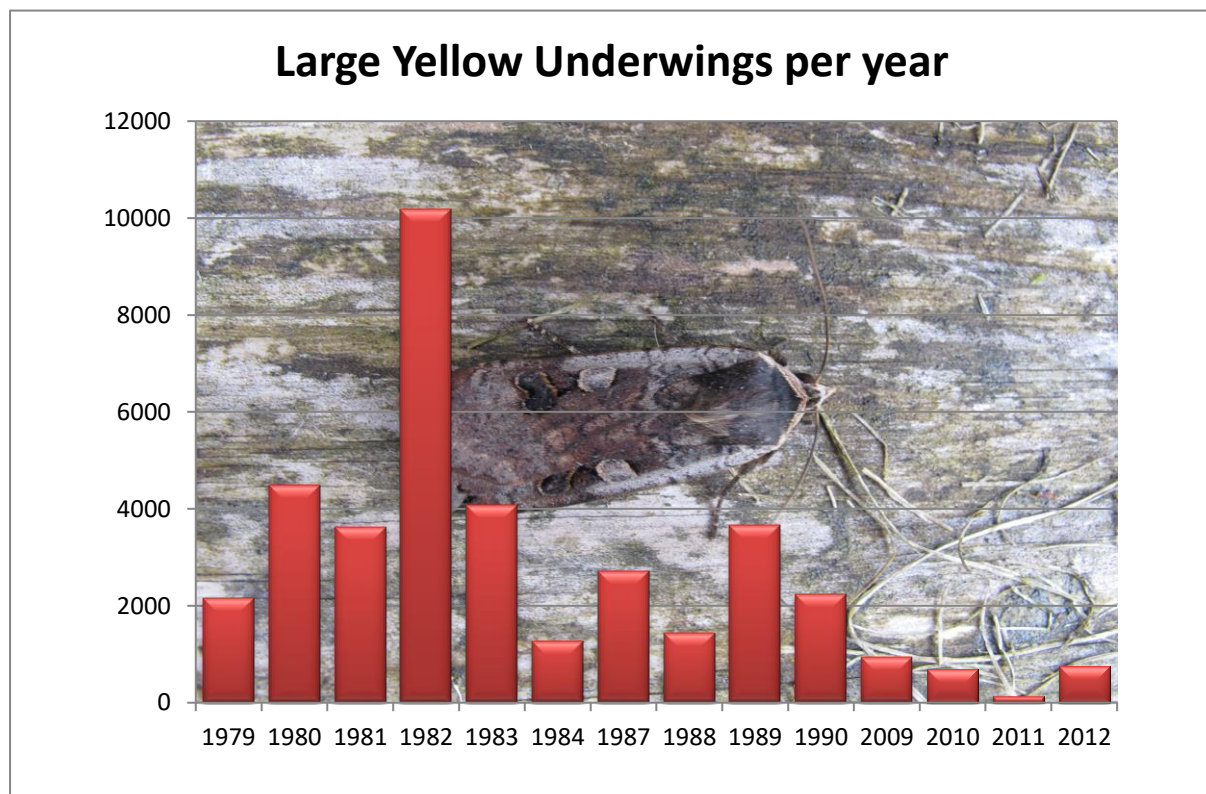


The number of species on the wing varies

from month to month with June through to August being the peak period. While some species only occur at certain times of the year, others may have two or even three broods spread throughout. Some may have a protracted emergence over several months while others have a very narrow window of only a few weeks. In such cases adverse weather at the time of emergence can have a dramatic effect on their fortunes.

A considerable amount of information has accrued from this trapping and it is interesting to look at the data from 30 years ago and see how things have changed. There have been winners and losers and their fortunes are mirrored across the country. Species that have always been uncommon, either because of their foodplant distribution or because they are at the edge of their range, will always be prone to fluctuation. The Dusky-lemon Sallow that feeds on Elm *Ulmus*, for example, has virtually disappeared following the demise of that tree.

However, one of the worrying trends has been the drop in numbers of once common species.



The Large Yellow Underwing, for example, is still the commonest species but numbers of individuals caught today are a fraction of their former level. For instance I used to catch over 1000 per night in the 1980s, in 2012 nightly catches barely reached double figures. This trend is reflected in a number of species. But it has not been all bad news. There are species at Keele today that were not around just 15 years ago. Amongst those are a group of small moths, collectively known as "footmen", that are doing very well. The intriguing thing is that their larvae all feed on lichens and it is interesting to speculate whether it is the cleaning of the environment that is promoting an increase in lichen growth and hence an increase in the moths.

The cleaning of the environment is often associated with the fortunes of the well-known Peppered Moth, whose numbers have been monitored at Keele over many years. Essentially there are two main forms of this moth; a pure black or melanic form and the typical form which is white peppered

with black. The black form is cryptically coloured when resting on sooty tree trunks while the typical form blends in on lichen-covered, clean bark. During the Industrial Revolution the blackening of the environment meant that the melanic form had an advantage while the typical form became very scarce as it was preferentially predated. With the cleaning of the environment the fortunes of the two forms have reversed. At Keele over 90% of the Peppered Moths caught in the 1970s and 1980s were melanics. In 2012, for the first time in 30 years, I didn't catch any melanic forms – they were all typical. That is an amazing reversal of fortune in such a relatively short time.



Some species have arrived here due to our penchant for gardening. Blair's Shoulder-knot, for example, feeds on garden *Cupressus* and Juniper. Others have arrived as accidental introductions from other countries and, while some of these are benign, others can be major pests.

The Horse-chestnut Leaf Miner is a case in point where, in the space of 10 years, it has spread across Staffordshire and now infests nearly every Horse-chestnut causing blotch-like patches or mines on the leaves (seen opposite) that can be so numerous that the leaves wither and fall off prematurely. It remains to be seen what lasting damage this does.



While most of the species caught breed at Keele, some arrive here as vagrants from nearby habitats; blown in by winds perhaps. The Beautiful Snout, for example, breeds in birch woods with a bilberry understorey but the nearest habitat like that is Maer Hills to the south. Like butterflies, some moths are great migrants and, as such, their numbers vary from year to year. They include the well-known Silver Y and Humming-bird Hawk-moth but also some of the smaller species like the Diamond-back and Rush Veneer.

The list that follows includes all the species recorded at Keele up to 2015. It shows for each species the checklist number, the year of the first record and the year when last recorded. It also indicates the months (when known) in which the species has been seen on the wing at Keele. Finally I have attempted to give an indication of the status of each species using a series of asterisks thus:

- * 1 to 2 records only
- ** Occasional records, not annual
- *** Annual but in low numbers
- **** Annual total trap catch in high double figures

***** Annual total trap catches into three figures
 DF Indicates day-flying moths

The numbers are from Agassiz, D.J.L.; Beavan, S.D.; Heckford, R.J. (2015) Checklist of Butterflies and Moths of the British Isles.

	Scientific name	Vernacular	First	Last	Flight Period	Status
Eriocraniidae						
2.001	<i>Dyseriocrania subpurpurella</i> Haworth		2005	2015	---AM-----	***
2.003	<i>Eriocrania unimaculella</i> Zetterstedt		2014	2014	---A-----	**
2.006	<i>Eriocrania cicatricella</i> Zetterstedt		1979	1979	---A-----	*
Hepialidae						
3.001	<i>Hepialus sylvina</i> Linnaeus	Orange Swift	1979	2015	-----A----	***
3.002	<i>Hepialus lupulinus</i> Linnaeus	Common Swift	1979	2020	----MJJ-----	***
3.003	<i>Hepialus fusconebulosa</i> Degeer	Map-winged Swift	1979	1990	-----JJ-----	**
3.004	<i>Hepialus hecta</i> Linnaeus	Gold Swift	1979	1981	-----JJ-----	**
3.005	<i>Hepialus humuli</i> Linnaeus	Ghost Moth	1979	2014	-----JJA----	***
Nepticulidae						
4.045	<i>Stigmella aurella</i> Fabricius		2009	2015	larval mines	**
Adelidae						
7.001	<i>Nemophora degeerella</i> Linnaeus		2005	2005	-----J-----	*
7.006	<i>Adela reaumurella</i> Linnaeus		1979	2014	----MJ-----	**
7.015	<i>Nematopogon swammerdamella</i> Linnaeus		2013	2015	-----J-----	*
Incurvariidae						
8.002	<i>Incurvaria masculella</i> Denis & Schiff.		1979	2009	-----J-----	*
Tischeriidae						
10.001	<i>Tischeria ekebladella</i>		2015	2015	-----J-----	*
Tineidae						
12.016	<i>Nemapogon cloacella</i> Haworth	Cork Moth	2013	2013	-----J-----	*
12.032	<i>Tinea semifulvella</i> Haworth		2003	2015	-----JJ-----	*
12.033	<i>Tinea trinotella</i> Thunberg		2013	2014	-----J-A-----	
12.036	<i>Monopis laevigella</i> Denis & Schiff.	Skin Moth	1979	1979		*
12.038	<i>Monopis obviella</i>		2015	2015	-----J-----	*
Roeslerstammidae						
13.002	<i>Roeslerstammia erxlebella</i>		2015	2015	-----A-----	*
Gracillariidae						
15.004	<i>Caloptilia elongella</i> Linnaeus		2009	2009	-----N-	*
15.005	<i>Caloptilia betulicola</i> Hering		2013	2015	-----A-----	
	<i>Caloptilia alchimiella/robustella</i>		2009	2009	-----J-----	*
15.015	<i>Aspilapteryx tringipennella</i> Zeller		2011	2015	----M--A-----	*
15.089	<i>Cameraria ohridella</i> Deschka & Dimic		2009	2013	-----O--	****
Yponomeutidae						
16.001	<i>Yponomeuta evonymella</i> Linnaeus	Bird-cherry Ermine	1979	2015	-----JJA----	***
16.002	<i>Yponomeuta padella/malinellus</i>		1979	2020	-----JA-----	**
16.015	<i>Swammerdamia caesiella</i> Hübner		2013	2013	-----A-----	
Ypsolophidae						
17.003	<i>Ypsolopha dentella</i> Fabricius	Honeysuckle Moth	2012	2015	-----A-----	*
17.005	<i>Ypsolopha scabrella</i> Linnaeus		2009	2013	-----JAS---	**
17.008	<i>Ypsolopha alpella</i> Denis & Schiff.		2014	2014	-----S---	*
17.009	<i>Ypsolopha sylvella</i> Linnaeus		2014	2014		

17.010	<i>Ypsolopha parenthesella</i> Linnaeus		2010 2015	-----JA----	*
17.011	<i>Ypsolopha ustella</i> Clerck		2013 2015	-F---JJ--O--	**
17.012	<i>Ypsolopha sequella</i> Clerck		1979 2014	-----ASO--	**
Plutellidae					
18.001	<i>Plutella xylostella</i> Linnaeus	Diamond-back Moth	1979 2015	-----JJ-----	**
Argyresthiidae					
20.001	<i>Argyresthia laevigatella</i> Herrich-Schäffer		2016 2016	-----J-----	*
20.005	<i>Argyresthia trifasciata</i> Staudinger		2013 2013	-----J-----	*
20.011	<i>Argyresthia brockeella</i> Hübner		1979 2015	-----JA-----	**
20.012	<i>Argyresthia goedartella</i> Linnaeus		1979 2015	-----JJA--O--	**
20.016	<i>Argyresthia retinella</i> Zeller		1979 2014	-----J-----	*
20.019	<i>Argyresthia conjugella</i> Zeller	Apple Fruit Moth	1979 2015	-----J-----	*
20.020	<i>Argyresthia semifusca</i> Haworth		2014 2014	-----J-----	**
20.021	<i>Argyresthia pruniella</i> Clerck	Cherry Fruit Moth	2009 2016	-----JA-----	**
Praydidae					
22.002	<i>Prays fraxinella</i> Bjerckander	Ash Bud Moth	1979 2015	-----J-----	*
Scythropiidae					
25.001	<i>Scythropia crataegella</i> Linnaeus	Hawthorn Moth	2009 2014	-----J-----	*
Autostichiidae					
27.001	<i>Oegoconia quadripuncta</i> Haworth		2009 2009	-----J-----	*
Oecophoridae					
28.009	<i>Endrosia sarcitrella</i> Linnaeus	White-shouldered House Moth	1979 2015		****
28.010	<i>Hofmanophila pseudospretella</i> Stainton	Brown House Moth	2013 2015	-----JA-----	*
28.014	<i>Crassa unitella</i> Hübner		2013 2015	-----JA-----	*
28.015	<i>Batia lunaris</i> Haworth		2013 2013	-----J-----	*
28.019	<i>Esperia sulphurella</i> Fabricius		1979 2016	----M-----	*
Chimabachidae					
29.001	<i>Diurnea fagella</i> Denis & Schiff.		1979 2016	--MAM-----	***
Peleopodidae					
31.001	<i>Carcina quercana</i> Fabricius		1979 2015	-----JA-----	***
Depressariidae					
32.017	<i>Agonopterix arenella</i> Denis & Schiff.		2010 2015	---AM----O--	**
32.030	<i>Agonopterix nervosa</i> Haworth		1979 1979	-----JA-----	*
32.036	<i>Depressaria radiella</i> Goeze	Parsnip Moth	2009 2009	----M-----	*
Gelichiidae					
35.018	<i>Hypatima rhomboidella</i> Linnaeus		2014 2014		
35.031	<i>Helcystogramma rufescens</i> Haworth		2012 2013	-----JA-----	**
35.058	<i>Metzneria metzneriella</i> Stainton		1968 1968	-----J-----	*
35.143	<i>Teleiodes luculella</i> Hübner		1979 2015	-----JJA-----	**
35.151	<i>Carpatolechia proximella</i>		2015 2015	-----A-----	*
Coleophoridae					
37.033	<i>Coleophora trifolii</i> Curtis	Large Clover Case-bearer	2009 2009	-----J-----	*
37.048	<i>Coleophora mayrella</i> Hubner		2014 2014	-----J-----	*
Elacahistidae					
38.004	<i>Elachista argentella</i> Clerck		2014 2014	----M-----	*
Parametriotidae					
39.001	<i>Blastodacna hellerella</i> Duponchel		1979 2015	-----JJ-----	**

Momphidae			
40.004	<i>Mompha propinquella</i> Stainton		1979 2016 -----JJA----- *
40.013	<i>Mompha locuplatella</i> Denis & Schiff.		2014 2014 -----S----- *
40.015	<i>Mompha raschkiella</i> Zeller		2014 2014 -----J----- *
Blastobasidae			
41.002	<i>Blastobasis adustella</i> Walsingham		2009 2015 -----JJASO-- ***
41.003	<i>Blastobasis lacticolella</i> Rebel		2009 2015 ----MJJAS--- **
Alucitidae			
44.001	<i>Alucita hexadactyla</i> Linnaeus	Twenty-plume Moth	2010 2015 -----A----- **
Pterophoridae			
45.004	<i>Platyptilia gonodactyla</i> Denis & Schiff.	Triangle Plume	1979 2014 -----J--O-- **
45.008	<i>Gilmeria pallidactyla</i> Haworth	Yarrow Plume	2014 2014 -----J----- *
45.010	<i>Amblyptilia acanthadactyla</i> Hübner	Beautiful Plume	2015 2015 -----J----- *
45.023	<i>Marasmarcha lunaedactyla</i>	Crescent Plume	2015 2015 -----J----- *
45.030	<i>Pterophorus pentadactyla</i> Linnaeus	White Plume	2013 2013 -----J----- *
45.044	<i>Emmelina monodactyla</i> Linnaeus	Common Plume	2009 2014 ---A--J----- **
Choreutidae			
48.001	<i>Anthophila fabriciana</i> Linnaeus	Nettle-tap	1979 2015 -----JJASO-- ****DF
Tortricidae			
49.004	<i>Ditula angustiorana</i> Haworth	Red-barred Tortrix	1979 2013 -----JA----- **
49.013	<i>Archips podana</i> Scopoli	Large Fruit-tree Tortrix	1979 2013 -----J----- *
49.024	<i>Pandemis corylana</i> Fabricius	Chequered Fruit-tree Tortrix	2009 2015 -----JA----- **
49.025	<i>Pandemis cerasana</i> Hübner	Barred Fruit-tree Tortrix	2009 2013 -----J----- **
49.026	<i>Pandemis heparana</i> Denis & Schiff.	Dark Fruit-tree Tortrix	2012 2013 -----J----- *
49.029	<i>Lozotaenia forsterana</i> Fabricius		2009 2020 -----JJ----- **
49.031	<i>Aphelia paleana</i> Hübner	Timothy Tortrix	2009 2015 -----JJ----- **
49.037	<i>Clepsis spectrana</i> Treitschke	Cyclamen Tortrix	1979 2015 -----J-A----- **
49.038	<i>Clepsis consimilana</i> Hübner		2009 2015 -----JA--N- *
49.039	<i>Epiphyas postvittana</i> Walker	Light Brown Apple Moth	2009 2015 -----ASO-- ***
49.040	<i>Lozotaeniodes formosanus</i> Geyer		1979 2013 -----J-S--- **
49.043	<i>Exapate congelatella</i> Clerck		2009 2012 -----ON- **
49.044	<i>Tortricodes alternella</i> Denis & Schiff.		2011 2015 -FM----- **
49.051	<i>Cnephasia asseclana</i> Denis & Schiff.	Flax Tortrix	1979 1979 * *
49.059	<i>Tortrix viridana</i> Linnaeus	Green Oak Tortrix	1979 2020 -----J----- **
49.061	<i>Acleris holmiana</i> Linnaeus		1979 2015 -----A----- *
49.062	<i>Acleris forsskaleana</i> Linnaeus		1979 2020 -----J----- *
49.063	<i>Acleris bergmanniana</i> Linnaeus		1979 1979 * *
	<i>Acleris laterana/comariana</i>		2009 2014 -----ASO-- **
49.069	<i>Acleris sparsana</i> Denis & Schiff.		1979 2013 -----O-- *
49.071	<i>Acleris emargana</i> Denis & Schiff.		2013 2014 -----S--- **
49.077	<i>Acleris variegana</i> Denis & Schiff.	Garden Rose Tortrix	1979 2014 -----ASO-- **
49.091	<i>Pseudargyrotoza conwagana</i> Fabricius		1979 2015 -----JJ----- ***
49.109	<i>Agapeta hamana</i> Linnaeus		2009 2015 -----JJA----- ***
49.120	<i>Aethes smeathmanniana</i> Fabricius		2010 2010 -----J----- *
49.133	<i>Cochylis nana</i> Haworth		2014 2014 -----J----- *
49.144	<i>Eudemis profundana</i> Denis & Schiff.		2013 2015 -----JA----- *
49.150	<i>Apotomis betuletana</i> Haworth		1979 2013 -----A----- **
49.156	<i>Hedya nubiferana</i> Haworth	Marbled Orchard Tortrix	1979 2020 -----JJA----- **
49.161	<i>Celypha striana</i> Denis & Schiff.		2009 2020 -----JJ----- ***
49.166	<i>Celypha lacunana</i> Denis & Schiff.		1979 2015 ----MJJ----- ***
49.200	<i>Enarmonia formosana</i>	Cherry Bark Moth	2015 2015 -----J----- *
49.214	<i>Ancylis badiana</i> Denis & Schiff.		1979 2014 ----M-JA----- **
49.215	<i>Ancylis achatana</i> Denis & Schiff.		1968 1968 -----J----- *
49.223	<i>Rhopobota naevana</i> Hübner	Holly Tortrix	1979 1979 * *
49.224	<i>Spilonota ocellana</i> Denis & Schiff.	Bud Moth	1979 2015 -----J----- *

49.232	<i>Epinotia maculana</i> Fabricius		1979 1979		*
49.240	<i>Epinotia immundana</i> Fischer von Rös.		2013 2013	-----J-----	
49.248	<i>Epinotia tenerana</i> Denis & Schiff.	Nut Bud Moth	1979 1979		*
49.249	<i>Epinotia ramella</i> Linnaeus		2009 2015	-----JAS----	**
49.251	<i>Epinotia rubiginosana</i> Herrich-Schäffer		2012 2013	-----J-----	*
49.254	<i>Epinotia bilunana</i> Haworth		1979 2015	-----J-----	*
49.255	<i>Epinotia nisella</i> Clerck		1979 2013	-----JA-----	**
49.260	<i>Zeiraphera isertana</i> Fabricius		1979 2011	-----J-----	*
49.265	<i>Eucosma cana</i> Haworth		1979 2016	-----JJ-----	**
49.269	<i>Eucosma campoliliana</i> Denis & Schiff.		2010 2015	-----J-----	*
49.279	<i>Gypsonoma dealbana</i> Frölich		2009 2009	-----J-----	*
49.281	<i>Gypsonoma sociana</i> Haworth		1979 1979		*
49.285	<i>Epiblema scutulana</i> Denis & Schiff.		1979 1979		*
49.286	<i>Epiblema cirsiana</i> Zeller		2013 2013	-----J-----	*
49.288	<i>Epiblema foenella</i> Linnaeus		2015 2015	-----J-----	*
49.292	<i>Notocelia cynosbatella</i> Linnaeus		2013 2013	-----J-----	*
49.294	<i>Notocelia uddmanniana</i> Linnaeus	Bramble Shoot Moth	2009 2015	-----JJAS----	***
49.306	<i>Rhyacionia pinicolana</i> Doubleday		2010 2020	-----J-----	*
49.338	<i>Cydia pomonella</i> Linnaeus	Codling Moth	1979 2014	-----JA-----	***
49.367	<i>Pammene fasciana</i> Linnaeus		2010 2013	-----J-----	*
Cossidae					
50.002	<i>Zeuzera pyrina</i> Linnaeus	Leopard Moth	2009 2020	-----A-----	*
Zygaenidae					
54.008	<i>Zygaena filipendulae</i> Linnaeus	Six-spot Burnet	2005 2014	-----JJ-----	** DF
54.009	<i>Zygaena loniceræ</i> Scheven	Narrow-bordered Five-spot Burnet	1979 2014	-----JJA-----	***DF
Pyralidae					
62.001	<i>Aphomia sociella</i> Linnaeus	Bee Moth	2009 2020	----MJJA----	***
62.012	<i>Pyla fusca</i> Haworth		2013 2013	-----A-----	
62.028	<i>Dioryctria abietella</i>		2015 2015	-----J-----	*
62.029	<i>Phycita roborella</i> Denis & Schiff.		2010 2012	-----A-----	*
62.035	<i>Acrobasis advenella</i> Zincken		2010 2012	-----JA-----	*
62.038	<i>Acrobasis consociella</i> Hübner		2010 2016	-----J-----	*
62.048	<i>Euzophera pinguis</i> Haworth		2010 2010	-----A-----	*
62.064	<i>Ephestia elutella</i> Hübner	Cacao Moth	2016 2016	-----J-----	*
62.072	<i>Pyralis farinalis</i> Linnaeus	Meal Moth	2012 2012	-----J-----	*
62.075	<i>Hypsopygia costalis</i> Fabricius	Gold Triangle	1979 2015	-----JA-----	**
62.076	<i>Hypsopygia glaucinalis</i> Linnaeus		1987 2020	-----JA-O--	**
Crambidae					
63.006	<i>Pyrhausta aurata</i> Scopoli	Mint Moth	2020 2020		
63.018	<i>Anania coronata</i> Hufnagel		1979 2015	-----JJ-----	**
63.020	<i>Anania perlucidalis</i> Hübner		2009 2009	-----J-----	*
63.025	<i>Anania hortulata</i> Linnaeus	Small Magpie	1979 2020	-----JJ-----	**
63.031	<i>Udea ferrugalis</i> Hübner	Rusty-dot Pearl	2015 2015	-----N-	*
63.033	<i>Udea lutealis</i> Hübner		1979 2013	-----A-----	**
63.034	<i>Udea prunalis</i> Denis & Schiff.		1979 2015	-----JA-----	**
63.038	<i>Pleuroptya ruralis</i> Scopoli	Mother of Pearl	1979 2015	-----JA-----	**
63.052	<i>Nomophila noctuella</i> Denis & Schiff.	Rush Veneer	2009 2015	-----SO--	**
63.057	<i>Evergestis forficalis</i> Linnaeus	Garden Pebble	1979 2015	-----JA-----	**
63.060	<i>Evergestis pallidata</i> Hufnagel		2014 2014	-----J-----	*
63.062	<i>Scoparia subfusca</i> Haworth		1979 1979		*
63.064	<i>Scoparia ambigualis</i> Treitschke		1979 2015	-----JJA-----	***
63.067	<i>Eudonia lacustrata</i> Panzer		2009 2015	-----JJA-----	**
63.069	<i>Eudonia angustea</i> Curtis		2013 2015	-----S---	**
63.073	<i>Eudonia truncicolella</i> Stainton		1979 2012	-----A-----	**
63.074	<i>Eudonia mercurella</i> Linnaeus		1979 2012	-----JA-----	**
63.075	<i>Eudonia pallida</i> Curtis		2014 2014	-----J-----	*
63.080	<i>Chrysoteuchia culmella</i> Linnaeus	Garden Grass-veneer	1979 2020	-----JJ-----	***

63.081	<i>Crambus pascuella</i> Linnaeus		1979 2020	-----JJ-----	**
63.086	<i>Crambus lathoniellus</i> Zincken		2003 2012	-----J-----	*
63.088	<i>Crambus perlella</i> Scopoli.		2013 2020	-----JJ-----	**
63.089	<i>Agriphila tristella</i> Denis & Schiff.		1979 2020	-----JJA-----	****
63.090	<i>Agriphila inquinatella</i> Denis & Schiff.		1979 1979		*
63.093	<i>Agriphila straminella</i> Denis & Schiff.		2003 2015	-----JJ-----	****
63.102	<i>Catoptria falsella</i> Denis & Schiff.		2011 2015	-----JJA-----	**
63.114	<i>Elophila nymphaeata</i> Linnaeus	Brown China-mark	1979 2013	-----JA-----	**
63.115	<i>Acentria ephemerella</i> Denis & Schiff.	Water Veneer	1966 2014	-----JJA-----	**
63.116	<i>Cataclysta lemnata</i> Linnaeus	Small China-mark	1979 2006	-----J-----	*

Drepanidae

65.001	<i>Falcaria lacertinaria</i> Linnaeus	Scalloped Hook-tip	1979 1982	-----A-----	*
65.002	<i>Watsonalla binaria</i> Hufnagel	Oak Hook-tip	1979 2020	----MJ-AS---	***
65.003	<i>Watsonalla cultraria</i> Fabricius	Barred Hook-tip	1979 2013	----M--A----	*
65.005	<i>Drepana falcataria</i> Linnaeus	Pebble Hook-tip	1979 2020	-----JJA-----	**
65.007	<i>Cilix glaucata</i> Scopoli	Chinese Character	1979 2020	----MJJA----	***
65.008	<i>Thyatira batis</i> Linnaeus	Peach Blossom	1979 2015	-----JJ-----	***
65.009	<i>Habrosyne pyritoides</i> Hufnagel	Buff Arches	1979 2020	-----JJA-----	***
65.010	<i>Tethea ocellaris octogesimea</i> Linnaeus	Figure of Eighty	1979 2013	-----JJ-----	**
65.013	<i>Ochropacha duplaris</i> Linnaeus	Common Lutestring	1979 2013	-----JJA-----	**
65.016	<i>Achlya flavicornis</i> Linnaeus	Yellow Horned	1979 1981	--M-----	*

Lasiocampidae

66.001	<i>Poecilocampa populi</i> Linnaeus	December Moth	1979 2020	-----OND	***
66.002	<i>Trichiura crataegi</i> Linnaeus	Pale Eggar	1982 1982	-----S---	*
66.010	<i>Euthrix potatoria</i> Linnaeus	Drinker	1979 2014	-----JJ-----	**

Sphingidae

69.001	<i>Mimas tiliae</i> Linnaeus	Lime Hawk-moth	1979 2015	----MJJ-----	**
69.002	<i>Smerinthus ocellata</i> Linnaeus	Eyed Hawk-moth	1979 2015	-----JJ-----	**
69.003	<i>Laothoe populi</i> Linnaeus	Poplar Hawk-moth	1979 2015	----MJJAS---	***
69.010	<i>Macroglossum stellatarum</i> Linnaeus	Humming-bird Hawk-moth	1996 2020	-----JJAS---	**
69.016	<i>Deilephila elpenor</i> Linnaeus	Elephant Hawk-moth	1979 2020	-----JJ-----	***
69.017	<i>Deilephila porcellus</i> Linnaeus	Small Elephant Hawk-moth	1979 1920	-----J-----	*

Geometridae

70.011	<i>Idaea dimidiata</i> Hufnagel	Single-dotted Wave	1979 2020	-----JJA-----	****
70.013	<i>Idaea biselata</i> Hufnagel	Small Fan-footed Wave	1979 2015	-----JJA-----	****
70.016	<i>Idaea aversata</i> Linnaeus	Riband Wave	1979 2020	-----JJAS---	****
70.029	<i>Timandra comae</i> Schmidt	Blood-vein	1979 2015	-----JJAS---	**
70.038	<i>Rhodometra sacraria</i> Linnaeus	Vestal	1983 1983	-----S---	*
70.045	<i>Scotopteryx chenopodiata</i> Linnaeus	Shaded Broad-bar	1979 2014	-----JA-----	**
70.049	<i>Xanthorhoe fluctuata fluctuata</i> Linnaeus	Garden Carpet	1979 2020	----MJJAS---	***
70.052	<i>Xanthorhoe ferrugata</i> Clerck	Dark-barred			
		Twin-spot Carpet	1979 2015	----MJJA-----	**
70.053	<i>Xanthorhoe designata</i> Hufnagel	Flame Carpet	1979 2020	----MJJA-----	****
70.054	<i>Xanthorhoe montanata</i> Denis & Schiff.	Silver-ground Carpet	1979 2015	----MJJ-----	****
70.055	<i>Xanthorhoe quadrifasiata</i> Clerck	Large Twin-spot Carpet	2009 2015	----MJJ-----	**
70.059	<i>Campptogramma bilineata</i> Linnaeus	Yellow Shell	2003 2020	-----JA-----	**
70.061	<i>Epirrhoe alternata</i> Müller	Common Carpet	1979 2020	----MJJA-----	****
70.066	<i>Anticlea badiata</i> Denis & Schiff.	Shoulder Stripe	1979 1982	---A-----	*
70.067	<i>Anticlea deviata</i> Denis and Schiff.	Streamer	2020 2020		
70.068	<i>Mesoleuca albicillata</i> Linnaeus	Beautiful Carpet	1981 1981	-----J-A-----	*
70.074	<i>Hydriomena furcata</i> Thunberg	July Highflyer	1979 2020	-----JJA-----	****
70.075	<i>Hydriomena impluviata</i> Denis & Schiff.	May Highflyer	1979 2014	----MJ-----	**
70.077	<i>Thera firmata</i> Hübner	Pine Carpet	2014 2014	-----AS---	*
70.079	<i>Thera britannica</i> Turner	Spruce Carpet	1979 2020	----MJJASON-	***
70.081	<i>Thera obeliscata</i> Hübner	Grey Pine Carpet	1979 2020	----MJJASON-	****
70.082	<i>Thera juniperata</i> Linnaeus	Juniper Carpet	2009 2011	-----O--	*
70.084	<i>Plemyria rubiginata</i> Denis & Schiff.	Blue-bordered Carpet	1979 2015	-----A-----	**

70.085	<i>Cidaria fulvata</i> Forster	Barred Yellow	1979 1990	-----JA----	**
70.086	<i>Electrophaes corylata</i> Thunberg	Broken-barred Carpet	1979 2014	----MJJ-----	***
70.087	<i>Cosmorhoe ocellata</i> Linnaeus	Purple Bar	1979 2009	-----JA----	**
70.089	<i>Eulithis prunata</i> Linnaeus	Phoenix	1979 2020	-----JA----	**
70.091	<i>Eulithis populata</i> Linnaeus	Northern Spinach	1979 2013	-----JA----	**
70.092	<i>Eulithis mellinata</i> Fabricius	Spinach	1979 1983	-----JA----	**
70.093	<i>Gandaritis pyraliata</i> Denis & Schiff.	Barred Straw	1979 1990	-----J-----	**
70.094	<i>Ecliptopera silaceata</i> Denis & Schiff.	Small Phoenix	1979 2020	----MJJAS---	****
70.095	<i>Chloroclysta siterata</i> Hufnagel	Red-green Carpet	1988 2020	---A----SOND	***
70.097	<i>Dysstroma truncata</i> Hufnagel	Common Marbled Carpet	1979 2020	----MJJASO--	****
70.098	<i>Dysstroma citrata</i> Linnaeus	Dark Marbled Carpet	1979 2015	-----AS---	***
70.100	<i>Colostygia pectinataria</i> Knoch	Green Carpet	1979 2015	----M-JASO--	**
70.101	<i>Colostygia multistrigaria</i> Haworth	Mottled Grey	1979 1979		*
70.105	<i>Operophtera fagata</i> Scharfenberg	Northern Winter Moth	1979 2011	-----N-	**
70.106	<i>Operophtera brumata</i> Linnaeus	Winter Moth	1979 2014	-----ND	***
70.107	<i>Epirrita dilutata</i> Denis & Schiff.	November Moth	1979 2020	-----ON-	****
70.109	<i>Epirrita autumnata</i> Borkhausen	Autumnal Moth	1979 2009	-----O--	**
70.112	<i>Euchoeca nebulata</i> Scopoli	Dingy Shell	2010 2010	-----J-----	*
70.114	<i>Hydrelia flammeolaria</i> Hufnagel	Small Yellow Wave	1981 2013	-----JJA----	**
70.121	<i>Hydria undulata</i> Linnaeus	Scallop Shell	2000 2003	-----J-----	*
70.130	<i>Odezia atrata</i> Linnaeus	Chimney Sweeper	1983 1983	-----J-----	*
70.131	<i>Mesotype didymata</i> Linnaeus	Twin-spot Carpet	1979 1984	-----A----	*
70.132	<i>Perizoma affinitata</i> Stephens	Rivulet	1979 2014	----MJJAS---	****
70.133	<i>Perizoma alchemillata</i> Linnaeus	Small Rivulet	1979 2015	----MJJA----	****
70.138	<i>Perizoma flavofasciata</i> Thunberg	Sandy Carpet	1979 2013	-----JJ----	**
70.141	<i>Gymnoscelis rufifasciata</i> Haworth	Double-striped Pug	1979 2020	---A--JAS---	**
70.142	<i>Chloroclystis v-ata</i> Haworth	V-Pug	1979 2020	----MJJAS---	***
70.144	<i>Pasiphila rectangulata</i> Linnaeus	Green Pug	1979 2020	-----JJA----	***
70.147	<i>Eupithecia tenuiata</i> Hübner	Slender Pug	1981 2015	-----JA----	*
70.148	<i>Eupithecia inturbata</i> Hübner	Maple Pug	2018 2018	-----J-----	*
70.150	<i>Eupithecia linariata</i> Denis & Schiff.	Toadflax Pug	1979 1979		*
70.151	<i>Eupithecia pulchellata</i> Stephens	Foxglove Pug	1979 2014	-----JJ-----	***
70.156	<i>Eupithecia abbreviata</i> Stephens	Brindled Pug	1979 2020	--MAM-----	***
70.157	<i>Eupithecia dodoneata</i> Guenée	Oak-tree Pug	1979 2010	----MJ-----	**
70.158	<i>Eupithecia pusillata</i> Denis & Schiff.	Juniper Pug	1979 1990	-----JA----	***
70.160	<i>Eupithecia tripunctaria</i> Herrich-Schäffer	White-spotted Pug	1979 2014	----MJ-----	**
70.161	<i>Eupithecia virgaureata</i> Doubleday	Golden-rod Pug	1979 2012	----MJJA-O--	**
70.162	<i>Eupithecia tantillaria</i> Boisduval	Dwarf Pug	1979 2014	----MJ-----	**
70.163	<i>Eupithecia lariciata</i> Freyer	Larch Pug	1979 2010	-----JJ----	**
70.168	<i>Eupithecia nanata</i> Prout	Narrow-winged Pug	1979 2014	-----JJA----	**
70.169	<i>Eupithecia innotata</i> Hufnagel	Angle-barred Pug	1989 1989	-----J-----	*
70.171	<i>Eupithecia indigata</i> Hübner	Ochreous Pug	1987 2015	----MJ-----	**
70.173	<i>Eupithecia centaureata</i> Denis & Schiff.	Lime-speck Pug	1979 2013	-----JAS---	**
70.179	<i>Eupithecia absinthiata</i> Clerck	Wormwood Pug	1979 2014	-----JJ-----	**
70.182	<i>Eupithecia assimilata</i> Doubleday	Currant Pug	1979 1983	-----J--S---	**
70.183	<i>Eupithecia vulgata</i> Haworth	Common Pug	1979 2014	-----JJ-----	***
70.184	<i>Eupithecia exiguata</i> Hübner	Mottled Pug	1979 2016	----MJJ-----	**
70.187	<i>Eupithecia icterata</i> Villers	Tawny Speckled Pug	1979 1984	-----A----	**
70.188	<i>Eupithecia succenturiata</i> Linnaeus	Bordered Pug	1979 1984	-----JA----	**
70.190	<i>Eupithecia subfuscata</i> Haworth	Grey Pug	1979 2014	----MJJ-----	***
70.192	<i>Aplocera plagjata</i> Linnaeus	Treble-bar	1979 1984	-----S---	*
70.195	<i>Chesias legatella</i> Denis & Schiff.	Streak	1979 2013	-----ON-	**
70.196	<i>Chesias rufata</i> Fabricius	Broom-tip	1987 1987	-----J-----	*
70.198	<i>Lobophora halterata</i> Hufnagel	Seraphim	1979 2015	----MJ-----	**
70.200	<i>Acasis viretata</i> Hübner	Yellow-barred Brindle	1982 2010	----M-JA----	**
70.202	<i>Trichopteryx carpinata</i> Borkhausen	Early Tooth-striped	1979 2020	----M-----	*
70.203	<i>Archiearis parthenias</i> Linnaeus	Orange Underwing	1979 1982	--M-----	*
70.205	<i>Abraxas grossulariata</i> Linnaeus	Magpie Moth	1979 2020	-----JA----	**
70.206	<i>Calospilus sylvata</i> Scopoli	Clouded Magpie	1979 1989	----MJJ-----	**
70.207	<i>Lomaspilis marginata</i> Linnaeus	Clouded Border	1979 2013	----MJJA----	***
70.214	<i>Macaria liturata</i> Clerck	Tawny-barred Angle	1979 2015	----MJJA----	**

70.215	<i>Macaria wauaria</i> Linnaeus	V-Moth	1983 1983	-----J-----	*
70.218	<i>Chiasmia clathrata</i> Linnaeus	Latticed Heath	1979 2012	-----JJ-----	**
70.222	<i>Petrophora chlorosata</i> Scopoli	Brown Silver-line	1979 2014	----MJJ-----	***
70.224	<i>Plagodis dolabraria</i> Linnaeus	Scorched Wing	1979 2015	-----JJ-----	**
70.226	<i>Opisthoptis luteolata</i> Linnaeus	Brimstone Moth	1979 2015	----MJJAS---	***
70.231	<i>Apeira syringaria</i> Linnaeus	Lilac Beauty	1987 1988	-----JJ-----	**
70.234	<i>Ennomos alniaria</i> Linnaeus	Canary-shouldered Thorn	1979 2020	-----ASO--	***
70.235	<i>Ennomos fuscantaria</i> Haworth	Dusky Thorn	1979 2020	-----ASO--	***
70.236	<i>Ennomos erosaria</i> Denis & Schiff.	September Thorn	1979 2020	-----AS---	***
70.237	<i>Selenia dentaria</i> Fabricius	Early Thorn	1979 2020	--MAM-JA----	***
70.239	<i>Selenia tetralunaria</i> Hufnagel	Purple Thorn	1979 2013	---AM-JA----	**
70.240	<i>Odontopera bidentata</i> Clerck	Scalloped Hazel	1979 2020	----MJ-----	***
70.241	<i>Crocallis elinguaris</i> Linnaeus	Scalloped Oak	1979 2020	-----JA----	***
70.243	<i>Ourapteryx sambucaria</i> Linnaeus	Swallow-tailed Moth	1979 2015	-----JA----	***
70.244	<i>Colotois pennaria</i> Linnaeus	Feathered Thorn	1979 2015	-----SON-	***
70.245	<i>Alsophila aescularia</i> Denis & Schiff.	March Moth	1979 2015	-FMA-----	***
70.247	<i>Phigalia pilosaria</i> Denis & Schiff.	Pale Brindled Beauty	1979 2016	JFM-----	**
70.248	<i>Lycia hirtaria</i> Clerck	Brindled Beauty	1979 2016	-F-A-----	**
70.251	<i>Biston strataria</i> Hufnagel	Oak Beauty	1979 2015	-FMA-----	**
70.252	<i>Biston betularia</i> Linnaeus	Peppered Moth	1979 2020	----MJJA----	***
70.253	<i>Agriopis leucophaearia</i> Denis & Schiff.	Spring Usher	1979 2016	JF-----	**
70.254	<i>Agriopis aurantiaria</i> Hübner	Scarce Umber	1979 2009	-----ND	**
70.255	<i>Agriopis marginaria</i> Fabricius	Dotted Border	1979 2014	-FM-----	**
70.256	<i>Erannis defoliaria</i> Clerck	Mottled Umber	1979 2020	-----SOND	***
70.257	<i>Menopha abruptaria</i> Thunberg	Waved Umber	2009 2010	----M-----	*
70.258	<i>Peribatodes rhomboidaria</i> Denis & Schiff.	Willow Beauty	1979 2020	-----JJAS---	****
70.265	<i>Alcis repandata</i> Linnaeus	Mottled Beauty	1979 2015	-----JJA----	****
70.270	<i>Ectropis crepuscularis</i>	Engrailed	1979 2020	--MAM-JA----	**
70.274	<i>Aethalura punctulata</i> Denis & Schiff.	Grey Birch	1979 2015	----MJ-----	**
70.275	<i>Ematurga atomaria</i> Linnaeus	Common Heath	1979 1979		*
70.276	<i>Bupalus piniaria</i> Linnaeus	Bordered White	1979 2013	-----JJA----	**
70.277	<i>Cabera pusaria</i> Linnaeus	Common White Wave	1979 2015	----MJJA----	***
70.278	<i>Cabera exanthemata</i> Scopoli	Common Wave	1979 2014	----MJJA----	***
70.279	<i>Lomographa bimaculata</i>	White-pinion Spotted	2015 2015	-----J-----	*
70.280	<i>Lomographa temerata</i> Denis & Schiff.	Clouded Silver	1979 2015	----MJJ-----	***
70.282	<i>Theria primaria</i> Haworth	Early Moth	1979 2011	JFM-----	**
70.283	<i>Campaea margaritata</i> Linnaeus	Light Emerald	1979 2020	----MJJA----	***
70.284	<i>Hylaea fasciaria</i> Linnaeus	Barred Red	1979 2011	-----JJA----	**
70.297	<i>Pseudoterpna pruinata</i> Hufnagel	Grass Emerald	1979 1981	-----J-----	*
70.299	<i>Geometra papilionaria</i> Linnaeus	Large Emerald	1979 2009	-----JA----	**
70.303	<i>Jodis lactearia</i> Linnaeus	Little Emerald	1979 2013	-----J-----	*
70.305	<i>Hemitea aestivaria</i> Hübner	Common Emerald	1979 2020	-----J-----	**

Notodontidae

71.003	<i>Cerura vinula</i> Linnaeus	Puss Moth	1979 1984	-----J-----	**
71.005	<i>Furcula furcula</i> Clerck	Sallow Kitten	1979 2020	-----JJA----	**
71.006	<i>Furcula bicuspis</i> Borkhausen	Alder Kitten	1979 2020	----MJJ-----	**
71.007	<i>Furcula bifida</i> Brahm	Poplar Kitten	2012 2012	----M-----	*
71.011	<i>Drymonia ruficornis</i> Hufnagel	Lunar Marbled Brown	1979 2020	---AM-----	**
71.012	<i>Notodonta dromedarius</i> Linnaeus	Iron Prominent	1976 2020	----MJJA----	***
71.013	<i>Notodonta ziczac</i> Linnaeus	Pebble Prominent	1979 2015	----MJJA----	***
71.016	<i>Peridea anceps</i> Goeze	Great Prominent	1980 1980	----M-----	*
71.017	<i>Pheosia tremula</i> Clerck	Swallow Prominent	1979 2015	----MJJA----	***
71.018	<i>Pheosia gnoma</i> Fabricius	Lesser Swallow Prominent	1979 2020	----MJJAS---	****
71.020	<i>Pterostoma palpina</i> Clerck	Pale Prominent	1979 2015	----MJ-----	**
71.021	<i>Ptilodon capucina</i> Linnaeus	Coxcomb Prominent	1979 2014	-----JJA----	***
71.025	<i>Phalera bucephala</i> Linnaeus	Buff-tip	1979 2020	----MJJ-----	***
71.027	<i>Clostera curtula</i> Linnaeus	Chocolate-tip	2006 2009	----M-J-----	*

Erebidae

72.001	<i>Scoliopteryx libatrix</i> Linnaeus	Herald	1979 2020	-F-A-J-A----D	**
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72.002	<i>Rivula sericealis</i> Scopoli	Straw Dot	1980	2020	----MJJAS---	***
72.003	<i>Hypena proboscidalis</i> Linnaeus	Snout	1979	2020	----MJJAS---	****
72.007	<i>Hypena crassalis</i> Fabricius	Beautiful Snout	2012	2012	-----J-----	*
72.009	<i>Leucoma salicis</i> Linnaeus	White Satin	1980	2013	-----J-----	**
72.010	<i>Lymantria monacha</i> Linnaeus	Black Arches	2014	2014	-----A-----	*
72.013	<i>Euproctis similis</i> Fuessly	Yellow-tail	1979	2015	-----JA-----	***
72.015	<i>Calliteara pudibunda</i> Linnaeus	Pale Tussock	1979	2020	----MJ--S---	**
72.017	<i>Orgyia antiqua</i> Linnaeus	Vapourer	2004	2015	-----ASO--	** DF
72.019	<i>Spilosoma luteum</i> Hufnagel	Buff Ermine	1979	2020	----MJJA----	***
72.020	<i>Spilosoma lubricipeda</i> Linnaeus	White Ermine	1979	2016	----MJJ-----	***
72.022	<i>Diaphora mendica</i> Clerck	Muslin Moth	1979	2016	----M-----	**
72.024	<i>Phragmatobia fuliginosa fuliginosa</i> Linn.	Ruby Tiger	1979	2013	-----JJA----	**
72.026	<i>Arctia caja</i> Linnaeus	Garden Tiger	1979	2015	-----JJA----	**
72.031	<i>Tyria jacobaeae</i> Linnaeus	Cinnabar	1979	2015	-----JJ-----	**
72.037	<i>Thumatha senex</i> Hübner	Round-winged Muslin	2009	2015	-----J-----	*
72.041	<i>Lithosia quadra</i> Linnaeus	Four-spotted Footman	2013	2013	-----O--	*
72.043	<i>Eilema depressa</i> Esper	Buff Footman	2004	2020	-----JA-----	***
72.044	<i>Eilema griseola</i> Hübner	Dingy Footman	2010	2015	-----JAS---	**
72.045	<i>Eilema lurideola</i> Zincken	Common Footman	2009	2020	-----JJA----	***
72.046	<i>Eilema complana</i> Linnaeus	Scarce Footman	2001	2015	-----JA-----	**
72.053	<i>Zanclognatha tarsipennalis</i> Treitschke	Fan-foot	1979	2020	-----JJA----	***
72.055	<i>Herminia grisealis</i> Denis & Schiff.	Small Fan-foot	1979	2015	----MJJA----	****
72.061	<i>Schranksia costaestrigalis</i> Stephens	Pinion-streaked Snout	2020	2020		
72.069	<i>Laspeyria flexula</i> Denis & Schiff.	Beautiful Hook-tip	2014	2020	-----J-----	*
72.063	<i>Lygephila pastinum</i> Treitschke	Blackneck	2012	2012	-----J-----	*
72.078	<i>Catocala nupta</i> Linnaeus	Red Underwing	1979	1920	-----AS---	**
72.083	<i>Euclidia glyphica</i> Linnaeus	Burnet Companion	2014	2015	-----J-----	**
72.084	<i>Callistege mi</i> Clerck	Mother Shipton	2013	2014	-----JJ-----	**

Noctuidae

73.001	<i>Abrostola tripartita</i> Hufnagel	Spectacle	1979	2020	----MJJA----	****
73.002	<i>Abrostola triplasia</i> Linnaeus	Dark Spectacle	1979	2014	-----JJA----	**
73.012	<i>Diachrysia chrysitis</i> Linnaeus	Burnished Brass	1979	2015	-----JJA----	****
73.014	<i>Polychrysia moneta</i> Fabricius	Golden Plusia	1983	2006	-----J-----	**
73.015	<i>Autographa gamma</i> Linnaeus	Silver Y	1976	2020	----MJJASON-	*****
73.016	<i>Autographa pulchrina</i> Haworth	Beautiful Golden Y	1979	2015	----MJJA----	****
73.017	<i>Autographa jota</i> Linnaeus	Plain Golden Y	1979	2015	-----JJA----	****
73.018	<i>Autographa bractea</i> Denis & Schiff.	Gold Spangle	1979	2013	-----JA-----	**
73.022	<i>Plusia festucae</i> Linnaeus	Gold Spot	1979	2015	-----JJAS---	***
73.024	<i>Protodeltote pygarga</i> Hufnagel	Marbled White Spot	2014	2014	-----J-----	*
73.033	<i>Diloba caeruleocephala</i> Linnaeus	Figure of Eight	1979	2014	-----SO--	**
73.036	<i>Acronicta alni</i> Linnaeus	Alder Moth	1979	2010	----MJ-----	**
73.037	<i>Acronicta tridens</i> Denis & Schiff.	Dark Dagger	1979	2014	----MJJA----	***
73.038	<i>Acronicta psi</i> Linnaeus	Grey Dagger	1979	2014	----MJJA----	***
73.040	<i>Acronicta leporina</i> Linnaeus	Miller	1966	2020	----MJJA----	***
73.045	<i>Acronicta rumicis</i> Linnaeus	Knot Grass	1979	1990	----MJJ-----	**
73.046	<i>Subacronicta megacephala</i> Denis & Schiff.	Poplar Grey	1979	2015	-----JJ-----	**
73.048	<i>Panemeria tenebrata</i> Scopoli	Small Yellow Underwing	1979	1979		*
73.052	<i>Cucullia umbratica</i> Linnaeus	Shark	1979	1984	-----JJ-----	**
73.053	<i>Cucullia chamomillae</i> Denis & Schiff.	Chamomile Shark	1980	1980	----M-----	*
73.058	<i>Cucullia verbasci</i> Linnaeus	Mullein	2016	2016	----M-----	*
73.062	<i>Amphipyra pyramidea</i> Linnaeus	Copper Underwing	1979	2020	-----AS---	****
73.063	<i>Amphipyra berbera svenssoni</i> Fletcher	Svensson's Copper Underwing	1979	2015	-----JASO--	****
73.064	<i>Amphipyra tragopoginis</i> Clerck	Mouse Moth	1979	2015	-----JASO--	***
73.068	<i>Allophyes oxyacanthae</i> Linnaeus	Green-brindled Crescent	1979	2015	-----SO--	***
73.069	<i>Xylocampa areola</i> Esper	Early Grey	1979	2020	--MAM-----	***
73.074	<i>Heliothis peltigera</i> Denis & Schiff.	Bordered Straw	2006	2006	-----J-----	*
73.084	<i>Cryphia domestica</i> Hufnagel	Marbled Beauty	1979	2015	-----JJA----	***
73.092	<i>Caradrina morpheus</i> Hufnagel	Mottled Rustic	1979	2015	-----JJA----	***
73.095	<i>Paradrina clavipalpis</i> Scopoli	Pale Mottled Willow	1979	1920	-----JJAS---	**

73.096	<i>Hoplodrina octogenaria</i> Goeze	Uncertain	1979	2020	----MJJA----	****
73.097	<i>Hoplodrina blanda</i> Denis & Schiff.	Rustic	1987	2020	-----JA----	***
73.101	<i>Charanyca trigrammica</i> Hufnagel	Treble Lines	1979	1984	-----J-----	**
73.102	<i>Rusina ferruginea</i> Esper	Brown Rustic	1979	1984	-----J-----	**
73.105	<i>Dypterygia scabriuscula</i> Linnaeus	Bird's Wing	1993	1993	-----J-----	*
73.113	<i>Phlogophora meticulosa</i> Linnaeus	Angle Shades	1979	2015	----MJJASOND	****
73.114	<i>Euplexia lucipara</i> Linnaeus	Small Angle Shades	1979	2020	----MJJA----	****
73.120	<i>Eremobia ochroleuca</i> Denis & Schiff.	Dusky Sallow	2003	2003	-----A----	*
73.121	<i>Gortyna flavago</i> Denis & Schiff.	Frosted Orange	1979	2013	-----AS----	**
73.123	<i>Hydraecia micacea</i> Esper	Rosy Rustic	1979	2020	-----JASON-	****
73.128	<i>Amphipoea oculea</i> Linnaeus	Ear Moth	1979	1990	-----A----	**
73.131	<i>Luperina testacea</i> Denis & Schiff.	Flounced Rustic	1979	2013	-----AS----	***
73.134	<i>Rhizedra lutosa</i> Hübner	Large Wainscot	2011	2011	-----O--	**
73.144	<i>Denticucullus pygmina</i> Haworth	Small Wainscot	1979	1979	-----JAS---	**
73.147	<i>Photedes minima</i> Haworth	Small Dotted Buff	1979	2014	-----JJA----	**
73.154	<i>Apamea remissa</i> Hübner	Dusky Brocade	1979	2015	-----JJA----	***
73.156	<i>Apamea crenata</i> Hufnagel	Clouded-bordered Brindle	1979	2020	----MJJ-----	***
73.158	<i>Apamea sordens</i> Hufnagel	Rustic Shoulder-knot	1979	2015	----MJJ-----	****
73.159	<i>Apamea unanimitis</i> Hübner	Small Clouded Brindle	1979	1988	-----JJ-----	**
73.160	<i>Apamea scolopacina</i> Esper	Slender Brindle	1979	2015	-----JA----	***
73.162	<i>Apamea monoglypha</i> Hufnagel	Dark Arches	1979	2020	----MJJAS---	*****
73.163	<i>Apamea lithoxyloae</i> Denis & Schiff.	Light Arches	1979	2015	-----JA----	***
73.168	<i>Apamea ophiogramma</i> Esper	Double Lobed	1982	2013	-----JA----	**
	<i>Mesapamea secalis</i> agg.	Common Rustic agg.	1976	2020	-----JJAS---	*****
73.171	<i>Litoligia literosa</i> Haworth	Rosy Minor	1979	1988	-----JAS---	***
73.172	<i>Mesoligia furuncula</i> Denis & Schiff.	Cloaked Minor	1979	2015	-----JA----	**
73.173	<i>Oligia strigilis</i> Linnaeus	Marbled Minor	1979	2020	----MJJA----	*****
73.174	<i>Oligia latruncula</i> Denis & Schiff.	Tawny Marbled Minor	1979	2013	-----JJA----	***
73.175	<i>Oligia versicolor</i> Borkhausen	Rufous Minor	1979	2015	-----JJA----	***
73.176	<i>Oligia fasciuncula</i> Haworth	Middle-barred Minor	1979	2020	----MJJ-----	****
73.179	<i>Xanthia citrigo</i> Linnaeus	Orange Sallow	2009	2009	-----O--	*
73.180	<i>Xanthia aurago</i> Denis & Schiff.	Barred Sallow	1979	2015	-----SO--	**
73.181	<i>Xanthia togata</i> Esper	Pink-barred Sallow	1979	2015	-----SO--	**
73.182	<i>Cirrhia icteritia</i> Hufnagel	Sallow	1979	1990	-----AS----	**
73.183	<i>Cirrhia gilvago</i> Denis & Schiff.	Dusky-lemon Sallow	1979	1983	-----S----	*
73.186	<i>Agrochola lychnidis</i> Denis & Schiff.	Beaded Chestnut	1979	2011	-----SO--	***
73.187	<i>Agrochola litura</i> Linnaeus	Brown-spot Pinion	1979	2015	-----ASO--	***
73.189	<i>Leptoligia lota</i> Clerck	Red-line Quaker	1979	2015	-----SO--	***
73.190	<i>Leptoligia macilentata</i> Hübner	Yellow-line Quaker	1979	2015	-----SOND	***
73.192	<i>Sunira circellaris</i> Hufnagel	Brick	1979	2015	-----SON-	***
73.193	<i>Omphaloscelis lunosa</i> Haworth	Lunar Underwing	1979	2020	-----SO--	**
73.194	<i>Conistra vaccinii</i> Linnaeus	Chestnut	1979	2016	JFMA-----OND	***
73.195	<i>Conistra ligula</i> Esper	Dark Chestnut	2009	2014	-F-----OND	**
73.200	<i>Lithophane semibrunnea</i> Haworth	Tawny Pinion	1980	2015	---A-----N-	**
73.201	<i>Lithophane socia</i> Hufnagel	Pale Pinion	2000	2000	-----S---	*
73.202	<i>Lithophane ornitopus ornitopus</i> Hufnagel	Grey Shoulder-knot	1979	2016	--MA-----OND	**
73.206	<i>Lithophane leautieri leautieri</i> Boisduval	Blair's Shoulder-knot	2008	2015	-----ON-	**
73.209	<i>Xylena vetusta</i> Hübner	Red Sword-grass	2014	2014	-----O--	*
73.210	<i>Eupsilia transversa</i> Hufnagel	Satellite	1979	2020	JFMAM----ON-	***
73.211	<i>Enargia paleacea</i> Esper	Angle-striped Sallow	2018	2018	-----A----	*
73.213	<i>Ipimorpha subtusa</i> Denis & Schiff.	Olive	1979	1990	-----JA----	**
73.215	<i>Ulmia affinis</i> Linnaeus	Lesser-spotted Pinion	1981	1981	-----A----	*
73.216	<i>Calymnia trapezina</i> Linnaeus	Dun-bar	1979	2020	-----JJAS---	****
73.217	<i>Nemus pyralina</i> Denis & Schiff.	Lunar-spotted Pinion	1983	1983	-----J-----	*
73.219	<i>Atethmia centrigo</i> Haworth	Centre-barred Sallow	1980	2020	-----AS---	**
73.220	<i>Brachylomia viminalis</i> Fabricius	Minor Shoulder-knot	1979	1990	-----JA----	**
73.221	<i>Parastichtis suspecta</i> Hübner	Suspected	1979	2011	-----JA----	**
73.222	<i>Apterogenum ypsilon</i> Denis & Schiff.	Dingy Shears	1983	1983	-----J-----	*
73.224	<i>Dichonia aprilina</i> Linnaeus	Merveille du Jour	1979	2015	-----SO--	**
73.225	<i>Dryobotodes eremita</i> Fabricius	Brindled Green	1979	2014	-----ASO--	***
73.228	<i>Antitype chi</i> Linnaeus	Grey Chi	1979	1987	-----AS---	**

73.231	<i>Phylapora lutulenta</i> Denis & Schiff.	Deep-brown Dart	1979 1984	-----S---	**
73.233	<i>Phylapora nigra</i> Haworth	Black Rustic	1988 2015	-----SO--	**
73.238	<i>Blepharita adusta</i> Esper	Dark Brocade	1966 1980	-----J-----	*
73.241	<i>Panolis flammea</i> Denis & Schiff.	Pine Beauty	1979 2015	--MAMJ-----	**
73.242	<i>Orthosia incerta</i> Hufnagel	Clouded Drab	1979 2020	--MAMJ-----	*****
73.244	<i>Orthosia cerasi</i> Fabricius	Common Quaker	1979 2020	--MAM-----	*****
73.245	<i>Orthosia cruda</i> Denis & Schiff.	Small Quaker	1979 2020	--MAM-----	*****
73.246	<i>Orthosia populeti</i> Fabricius	Lead-coloured Drab	1979 1983	---A-----	**
73.247	<i>Orthosia gracilis</i> Denis & Schiff.	Powdered Quaker	1979 2013	--MAM-----	***
73.249	<i>Orthosia gothica</i> Linnaeus	Hebrew Character	1979 2020	--MAMJ-----	*****
73.250	<i>Anorthoa munda</i> Denis & Schiff.	Twin-spotted Quaker	1979 2020	--MA-----	***
73.253	<i>Tholera decimilis</i> Poda	Feathered Gothic	1979 2015	-----A----	**
73.254	<i>Cerapteryx graminis</i> Linnaeus	Antler Moth	1979 2020	-----JA----	***
73.255	<i>Anarta trifolii</i> Hufnagel	Nutmeg	1979 2010	-----JAS---	**
73.261	<i>Polia nebulosa</i> Hufnagel	Grey Arches	1979 1990	-----J-----	**
73.264	<i>Lacanobia thalassina</i> Hufnagel	Pale-shouldered Brocade	1979 2014	----MJJ-----	***
73.267	<i>Lacanobia oleracea</i> Linnaeus	Bright-line Brown-eye	1979 2015	---AMJJA----	****
73.270	<i>Melanchra persicariae</i> Linnaeus	Dot Moth	1979 2015	-----JJA----	***
73.271	<i>Melanchra pisi</i> Linnaeus	Broom Moth	1979 2015	-----JJA----	**
73.273	<i>Hada plebeja</i> Hufnagel	Shears	1982 2012	----MJ-----	**
73.274	<i>Mamestra brassicae</i> Linnaeus	Cabbage Moth	1979 2015	----MJJASO--	***
73.276	<i>Hadena rivularis</i> Fabricius	Campion	1979 1983	-----J-----	*
73.279	<i>Hecatera bicolorata</i> Hufnagel	Broad-barred White	1979 1983	-----JJ-----	**
73.281	<i>Hadena bicurris</i> Hufnagel	Lychnis	1979 2020	----MJJA----	**
73.283	<i>Hadena confusa</i> Hufnagel	Marbled Coronet	1984 1984	-----J-----	*
73.290	<i>Mythimna conigera</i> Denis & Schiff.	Brown-line Bright Eye	1981 2010	-----JJA----	**
73.291	<i>Mythimna pallens</i> Linnaeus	Common Wainscot	1979 2014	-----JJAS---	****
73.293	<i>Mythimna impura</i> Hübner	Smoky Wainscot	1976 2020	-----JJAS---	****
73.298	<i>Mythimna ferrago</i> Fabricius	Clay	1979 2020	-----JJA----	****
73.301	<i>Leucania comma</i> Linnaeus	Shoulder-striped Wainscot	1979 2010	-----JJ-----	**
73.307	<i>Peridroma saucia</i> Hübner	Pearly Underwing	1979 1983	-----S---	**
73.313	<i>Euxoa tritici</i> Linnaeus	White-line Dart	1984 1984	-----J-----	*
73.314	<i>Euxoa nigricans</i> Linnaeus	Garden Dart	1979 1984	-----A----	*
73.317	<i>Agrotis exclamationis</i> Linnaeus	Heart and Dart	1976 2020	----MJJAS---	*****
73.319	<i>Agrotis segetum</i> Denis & Schiff.	Turnip Moth	1979 2011	----MJJASO--	***
73.325	<i>Agrotis puta</i> Hübner	Shuttle-shaped Dart	1979 2015	----MJJAS---	****
73.237	<i>Agrotis ipsilon</i> Hufnagel	Dark Sword-grass	1979 2020	----MJJASOND	***
73.328	<i>Axylia putris</i> Linnaeus	Flame	1979 2020	----MJJA----	****
73.329	<i>Ochroleura plecta</i> Linnaeus	Flame Shoulder	1979 2020	----MJJAS---	****
73.332	<i>Diarsia brunnea</i> Denis & Schiff.	Purple Clay	1979 2015	-----JJA----	***
73.333	<i>Diarsia mendica</i> Fabricius	Ingrailed Clay	1979 2020	----MJJA----	****
73.334	<i>Diarsia rubi</i> Vieweg	Small Square-spot	1979 2015	----MJJAS---	****
73.336	<i>Cerastis rubricosa</i> Denis & Schiff.	Red Chestnut	1979 2011	--MAM-----	**
73.338	<i>Lycophotia porphyrea</i> Denis & Schiff.	True Lover's Knot	1979 2015	----MJJA----	***
73.339	<i>Rhyacia simulans</i> Hufnagel	Dotted Rustic	1979 1989	-----J-----	**
73.342	<i>Noctua pronuba</i> Linnaeus	Large Yellow Underwing	1976 2020	---AMJJASO--	*****
73.343	<i>Noctua fimbriata</i> Schreber	Broad-bordered Yellow Underwing	1979 2020	-----JAS---	****
73.345	<i>Noctua comes</i> Hübner	Lesser Yellow Underwing	1979 2020	-----JASO--	*****
73.346	<i>Noctua interjecta interjecta</i> Hübner	Least Yellow Underwing	1979 2014	-----JA----	***
73.348	<i>Noctua janthe</i> Borkhausen	Lesser Broad-bordered Yellow Underwing	1976 2020	-----JAS---	*****
73.351	<i>Graphiphora augur</i> Fabricius	Double Dart	1979 1990	-----JJA----	**
73.352	<i>Anaplectoides prasina</i> Denis & Schiff.	Green Arches	1979 2015	-----JJA----	**
73.353	<i>Xestia baja</i> Denis & Schiff.	Dotted Clay	1979 2014	-----JA----	****
73.357	<i>Xestia xanthographa</i> Denis & Schiff.	Square-spot Rustic	1979 2020	-----AS---	*****
73.358	<i>Xestia sexstrigata</i> Haworth	Six-striped Rustic	1979 2015	-----JA----	****
73.359	<i>Xestia c-nigrum</i> Linnaeus	Setaceous Hebrew Character	1979 2020	----MJJASO--	****
73.360	<i>Xestia ditrapezium</i> Denis & Schiff.	Triple-spotted Clay	1966 1984	-----JA----	**
73.361	<i>Xestia triangulum</i> Hufnagel	Double Square-spot	1979 2015	-----JJA----	****
73.365	<i>Eugnorisma glareosa</i> Esper	Autumnal Rustic	1979 1984	-----AS---	**

73.368	<i>Naenia typica</i> Linnaeus	Gothic	1979 1990	-----JJA-----	**
	Nolidae				
74.003	<i>Nola cucullatella</i> Linnaeus	Short-cloaked Moth	1979 2015	-----JA-----	**
74.004	<i>Nola confusalis</i> Herrich-Schäffer	Least Black Arches	2005 2016	----M-----	*
74.007	<i>Bena bicolorana</i> Linnaeus	Scarce Silver-lines	1979 2013	-----JA-----	**
74.008	<i>Pseudoips prasinana prasinana</i> Linnaeus	Green Silver-lines	1979 2014	----MJJ-----	**
74.009	<i>Nycteola revayana</i> Scopoli	Oak Nycteoline	2010 2014	---AM---S---	**