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Diversity of the moth fauna (Lepidoptera: Heterocera) of a wetland forest:

A case study from Motovun forest, Istria, Croatia

TONI KOREN[1]
KAJA VUKOTIĆ[2]
MITJA ČRNE[3]

[1] Croatian Herpetological Society – Hyla, Lipovac I. n. 7, 10000 Zagreb

[2] Biodiva – Conservation Biologist Society, Kettejeva 1, 6000 Koper, Slovenia

[3] Biodiva – Conservation Biologist Society, Kettejeva 1, 6000 Koper, Slovenia

Correspondence:
Toni Koren
koren.toni1@gmail.com

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Abstract

Background and Purpose: *The Motovun forest located in the Mirna river valley, central Istria, Croatia is one of the last lowland floodplain forests remaining in the Mediterranean area.*

Materials and Methods: *Between 2011 and 2014 lepidopterological research was carried out on 14 sampling sites in the area of Motovun forest. The moth fauna was surveyed using standard light traps tents.*

Results and Conclusions: *Altogether 403 moth species were recorded in the area, of which 65 can be considered at least partially hygrophilous. These results list the Motovun forest as one of the best surveyed regions in Croatia in respect of the moth fauna. The current study is the first of its kind for the area and an important contribution to the knowledge of moth fauna of the Istria region, and also for Croatia in general.*

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INTRODUCTION

During the past 150 years, over 300 papers concerning the moths and butterflies of Croatia have been published (e.g. *1, 2, 3, 4, 5, 6, 7, 8*). The majority of these papers contain information about one or a few families of butterflies and moths and in most cases deal with only a limited part of Croatia, such as Zagreb *(8)*, Podravina *(9)* or Gorski Kotar *(10)*. The only series of papers containing more comprehensive data about the butterflies and moths of Croatia were published by Stauder *(4, 5, 6, 7)*, but even in this case, only the Adriatic coastline and islands were considered.

In the last decade the situation greatly improved for butterflies, as a large number of papers dealing with the local fauna have been published (e.g. *11, 12, 13*). This also included the first checklist of butterflies of Croatia *(14)*. However, data about the moth fauna still remain very limited, and only a few papers have been published containing recent and more comprehensive data (e.g. *15, 16, 17*).

The main reasons for such limited knowledge has remained the same over time – a lack of continuity, financial support, and local experts for most moth groups. Many moth species are small, and not particularly brightly-coloured; distinguishing features are more difficult in comparison with butterflies, and the extraction of genitalia for correct identification is needed in many cases. In addition, many moth families still lack comprehensive field guides and identification keys, especially those likely to be present on the Balkan peninsula, making correct identification of species very difficult. Because of this, many of the most interest-

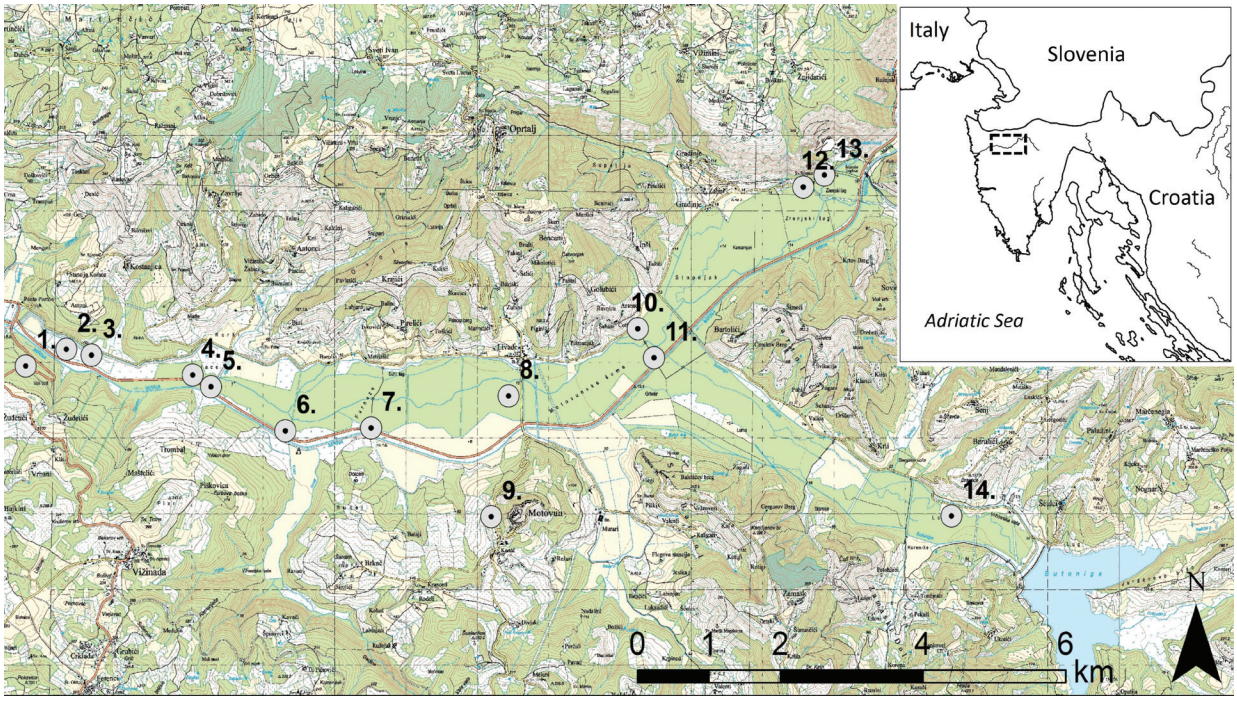

Figure 1. *Map of Northern Adriatic with the location of the studied area and the studied localities inside the Motovun forest. Numbers correspond to the ones given in Table 1.*

ing ecological areas in Croatia have remained mostly or completely unsurveyed and their fauna unknown. Such localities include a range of important habitats, including marshes and moors, high mountains and riparian forests. Papers concerned with faunistics may be less popular than those dealing with complex taxonomic issues, but they nevertheless have an immense significance as they form the baseline of data upon which conservation is founded. In a country like Croatia, where very little is known about the fauna, such surveys are crucial.

Here we present the first systematic data about moths for a previously unsurveyed area, the Motovun forest.

MATERIAL AND METHODS

This study took place at 13 localities at the central part of the Motovun forest and one locality in the village Motovun (Fig. 1, Tab. 1) between 2011 and 2014. Each locality was visited from one to 13 times, during most of the vegetation seasons. On average, four hours were spent on each locality on each date, depending on the time of year and the climate conditions. One to three UV light tents were used per locality to attract moths. Most of the attracted moths were identified in the field and released. Only in cases where the identification was questionable were the moths collected and identified in the lab using standard identification keys (e.g. *18, 19, 20, 21, 22, 23, 24)*. Some members of the families Erebiidae, Geometridae and Noctuidae, all the encountered microlepidoptera were collected and stored in the private collection of the first author. The identification of all microlepidoptera and most of the collected macrolepidoptera was additionally checked by Stanislav Gomboc from Slovenia, on the basis of his extensive knowledge and the comparison with his validated moth collection containing most species of the northern Balkans. The nomenclature follows the online database Fauna Europae *(25)*. For each species, larval host plants and habitat preference was given using standard literature *(18, 19, 20, 21, 22, 23, 24)*.

Study area

The Motovun forest is situated in the central part of the peninsula of Istria, in the alluvial valley of the Mirna River and its tributaries, southwest of Buzet and north of Motovun. In terms of vegetational and ecological contrasts Motovun differs greatly from other forest areas of the Istrian peninsula. The Mirna valley allows the influence of the sea to reach deep into the mainland part of the peninsula and the peculiarity of the landscape in the valley causes air stagnation and the occurrence of major climate extremes. The Mirna river basin is relatively poorly covered with forest vegetation, and is characterized by a multitude of torrential streams, which cause occasional flooding of the valley. The geological structure of the valley consists of limestone, marl and sandstones *(26)*.

These relief, climate and hydrological conditions, particularly soil characteristics, have resulted in the creation of a unique Mirna valley lowland forest ecosystem. This forest community is dominated by common oak (*Quercus robur* L.) and ash (*Fraxinus angustifolia* Vahl). Other low-

Table 1. *List of surveyed localities with dates of visits, habitat and coordinates.*

	Locality	Dates of visits	Habitat	GK5 X	GK5 Y	Altitude (m a.s.l.)
1.	Bartolići, 500 m east of the village	20.3.2011, 6.6.2011, 9.3.2012, 16.3.2012, 26.3.2012, 6.4.2012, 7.4.2012, 20.4.2012, 27.5.2012, 6.6.2012, 14.6.2012, 22.7.2012, 17.8.2012	mixed deciduous forest	5410478	5024063	24
2.	Golubići, 500 m south-east of the village	17.3.2012, 18.3.2012, 26.3.2012, 7.4.2012	mixed deciduous forest	5410251	5024446	21
3.	Istarske Toplice	26.3.2012, 16.4.2012, 20.4.2012, 8.5.2012, 11.5.2012, 13.5.201, 26.6.2012, 14.6.2012	mixed deciduous forest	5412867	5026476	25
4.	Livade, 500 m southern from the village	9.3.2012, 25.3.2012, 26.3.2012, 5.4.2012, 6.4.2012, 17.5.2012, 26.5.2012, 14.8.2012	mixed floodplain forest, forest path	5408438	5023558	19
5.	Motovun village	29.8.2011, 7.9.2011, 10.9.2011, 14.9.2011, 15.9.2011, 17.9.2011	public light in the village	5408194	5021964	252
6.	Pirelići, 1 km south from the village	9.3.2012, 6.4.2012, 16.4.2012, 22.4.2012	mixed floodplain forest	5406512	5023136	11
7.	Ponte Porton, 2 km east of the village	5.6.2012	mixed floodplain forest	5404002	5023813	9
8.	Ponte Porton, 1 km east of the village	17.4.2013, 14.5.2012, 10.7.2013, 7.8.2013, 7.8.2013, 15.8.2012, 4.9.2012, 7.11.2013, 11.3.2014	rudimentary forest remains, many *Prunus* bushes and grassland	5404009	5023836	9
9.	Ponte Porton, 500 m east of the village	17.4.2013, 14.5.2012, 10.7.2013, 7.8.2013, 7.8.2013, 15.8.2012, 4.9.2012, 7.11.2013, 11.3.2014	grasslands on the forest edge	5402237	5024174	6
10.	Ponte Porton, 500 m east of the village	17.4.2013, 14.5.2012, 10.7.2013, 7.8.2013, 7.8.2013, 15.8.2012, 4.9.2012, 7.11.2013, 11.3.2014	mixed floodplain forest	5402590	5024098	5
11.	Sv. Stjepan around the village	13.5.2012	mixed deciduous forest	5412570	5026318	24
12.	Trombal, 1.5 km north-east of the village	9.3.2012, 21.3.2012, 16.4.2012, 18.4.2012, 17.5.2012, 18.5.2012, 27.5.2012, 20.6.2012, 16.7.2012, 14.8.2012, 17.8.2012, 13.9.2012	forest path surrounded by mixed forest	5405507	5023769	17
13.	Valice-Krti, forest path near the village	17.3.2012, 27.3.2011, 20.4.2012, 2.6.2012, 6.6.2012, 22.7.2012, 17.8.2012	rudimentary forest remains, many *Prunus* bushes	5414646	5021973	25
14.	Žudetići, 400 m southern from the village	3.3.2012, 17.3.2012, 21.3.2012, 26.3.2012, 10.4.2012, 4.7.2012, 5.7.2012, 6.7.2012, 22.7.2012, 9.9.2012, 8.10.2012	forest path in a mixed forest	5401667	5023955	29

land forest trees like black alder (*Alnus glutinosa* Gaertn.), poplar (*Populus alba* L. and *Populus nigra* L.), white willow (*Salix alba* L.) and elm (*Ulmus carpinifolia* Gleditsch.) are also present. This forest belongs to the *Querceto-Fraxinetum angustifoliae* association *(26)*. As in all lowland forests, vegetation composition depends on the micro relief, and availability of water which is why the *Querceto-Fraxinetum angustifoliae* association is not the only forest community in Motovun *(26)*. The catchment area of the valley is covered by different stages of degraded common oak forests.

During the last century many anthropogenic changes have occurred in the area, including the building of a new road in the southern part of the forest and the excavation of a new riverbed. These actions had a tremendous negative impact on the water regime of the Motovun forest and its pristine condition *(26)*. Prior to the excavation of the new river bed, the forest surface was 1274 ha. In 1967 the government decided that a part of the forest should be cleared for agriculture, excluding the protected 281 ha near Istarske Toplice, a special reserve of forest vegetation. Approximately 250 ha of the forest was cleared. Additionally, due to the construction of the accumulation lake Botonega, another 80 ha were cleared, which left only about 944 ha of forest *(26)*.

RESULTS

During this research we gathered data for 403 moth species within the area of the Motovun forest. The Noctuidae are the best-represented group, with a total of 102 recorded species, followed by Geometridae with 96 species and Erebiidae with 49 recorded taxa. Of the larger microlepidoptera families, we recorded 33 species of Crambidae, 21 of Tortricidae and 13 of Pyralidae. A full species list

for each family found in this study is given in Appendix I. Most of the recorded moth species were mesophilous (N = 202), followed by xerothermophilous (N = 76) and mesophilous-hygrophilous (N = 62). A total of 19 species showed clear hygrophilous affiliation, while 65 species being at least partially hygrophilous.

DISCUSSION

The Motovun forest is one of the most interesting areas in Istria, in terms of vegetation and ecological conditions but it remains almost completely a mystery in terms of insect diversity. It is surprising that almost no published data exists for the region. Besides our data, less than ten published records exist for the wider area of the Mirna valley *(4, 5, 6, 7)* but not for the forest itself. This makes comparison with historical data impossible, but at the other hand makes our data crucial for any further study of the moth fauna of the area.

With almost no existing checklists, atlases, regional overviews and with rare exceptions *(9, 15, 16, 17),* few moth surveys carried out in the last 40 years, it is difficult to put our data into a meaningful context. In the wider area of the Kupa River, about 400 species were recorded during a long term survey *(27, 28, 29, 30, 31)*. On the other hand, a 30-year long study on Krk Island resulted in more than 1000 recorded species, although this also included all the microlepidoptera families *(15)*. Both examples included a large variety of habitats and a much larger area than in this present study. The only recent survey of a wetland area is that of Kopački Rit, where 201 species were recorded during a year-long moth survey *(16)*. That number probably represents only a fraction of the species inhabiting the area, and the authors themselves concluded that additional surveys are needed *(16)*.

Compared with the mentioned results from the other regions of Croatia, the area of Motovun forest is now one of the best surveyed areas in Croatia. The number of moth species living in Croatia is unknown, but is hypothesised to be about 3000 *(32)*. For the area of former Yugoslavia, a total of 3454 species have been recorded *(33)*, however, this includes the territory of whole ex-Yugoslavia, and the real number of species recorded from Croatia is certainly lower. On the other hand, as this list is not up to date, and many species need to be added to the list, due to new species records as well as the description of new species, the number of species will be somewhat higher. This only implies the need for the detailed revision and the creation of the recent checklists of moths of Croatia.

During this preliminary survey more attention was given to larger moths, while Microlepidoptera were collected only occasionally, and thus are far less represented in this work and will be dealt with in future surveys. The same goes for some difficult genera of larger moths (e.g. the geometrid genus *Eupithecia* Curtis 1825).

These results are the first systematic survey of the Motovun forest, and they can be used to make decisions about the conservation and management of natural resources, especially for insect biodiversity, in the future. During our survey we recorded 19 strictly wetland species, of which the records of *Chilo phragmitella* (Hubner 1805), *Acronicta strigosa* (Denis & Schiffermüller, 1775), *Phragmataecia castaneae* (Hübner, 1790) and *Colobochyla salicalis* (Denis & Schiffermüller, 1775) are of most of the interest, as the species are very local in Croatia. Aside from the river Mirna, many small streams are present in the forest, in which many of the more common hostplants for wetland species can be observed. Due to that, it is more than probable that the species do develop in the area, but further combined entomological-floristic surveys of the area would for sure greatly contribute to the knowledge about the hostplants of wetland species in the area. As it is now, the ecological affiliation, as well as the hostplant list (Appendix I) was based only on the knowledge from other parts of Europe (e.g. *18, 19, 20, 21, 22, 23, 24)* so it is possible that they are not fully correct and do not apply fully to the populations of the species living in Croatia. In any case, the presence of these species in the area indicate that the Mirna river valley still represents suitable habitat, and probably represents a refuge for wetland species in Istria. Aside from the Mirna river valley, only several other wetland habitats remain on the peninsula: two medium-sized rivers, Dragonja in the north and Raša in the east as well as the only swamp, Palud near Rovinj. None of these areas had been surveyed in the past, so no comparison with the Mirna river vally is possible. Hovever, it would be of great interest to survey the moth fauna of all the mentioned areas in the near future. Wetland moth communities are especially endangered, since such habitats were decimated during the last century, and are very rare nowadays. This is especially true in the karstic areas of Croatia, including Istria, the Adriatic islands and Dalmatia.

The Motovun river valley is also of a great importance for other animal groups. This is the area with the most records of the globally endangered False Ringlet *Coenonympha oedippus* (Fabricius, 1787), and the most southern distribution border for this species *(34)*. How poorly this area was surveyed in the past is demonstrated by the fact that this species was recorded in Croatia less than two decades ago *(34)*. Aside from invertebrates, the area is also interesting because of the vertebrate fauna. In the area, the strongest and largest population of the the Italian agile frog, *Rana latastei* Boulenger, 1879 in Croatia has been recorded *(35)*. Our results show that the Motovun forest represents an area of high biodiversity. Most of the forest area is criss-crossed by roads, forest paths and macadam roads, but except from the main road leading from Buzet to Ponte Porton, most of other roads are with very little traffic. For the conservation of the moth fauna of the area, the most important action is to conserve the current forest limits and to avoid any alteration to the finely-balanced hydrological regime.

During this study, the sampling period was sometimes very brief (e.g. two hours) during the single nights, due to

unfavourable weather conditions like low temperatures or high humidity in the air. In such conditions moth activity is very limited, and most of the species do not fly at all, so the moth observation was ceased earlier. To compensate this, we visited the same locality longer during the next visits. In order to gain additional knowledge about the species diversity of the Motovun forest, additional long term surveys are needed. An increase in the amount of UV light traps would be especially beneficial for such studies, since many more species are attracted if the number of light traps is greater. Additionally, more different habitats and locations should be surveyed to gain a more complete insight into the moth diversity of the region.

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APPENDIX I.

SYSTEMATIC LIST OF RECORDED MOTH SPECIES, THEIR HABITAT PREFERENCES, HOST PLANTS AND LOCALITIES ON WHICH THEY WERE RECORDED. NUMBERS CORRESPOND TO THE LOCALITIES IN TAB. 1.

Systematic list of recorded species	Habitat preference	Host plants	Locality
Adelidae			
1. *Adela reaumurella* (Linnaeus 1758)	mesophilous	*Quercus, Betula*	6.
2. *Nemophora degeerella* (Linnaeus 1758)	hygrophilous	*Anemone nemorosa*	6.
3. *Nematopogon swammerdamella* (Linnaeus 1758)	mesophilous	dead leafs	1.
Blastobasidae			
4. *Blastobasis glandulella* (Riley 1871)	mesophilous	*Quercus*	8.
Chimbachidae			
5. *Diurnea fagella* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Vaccinium vitis-idaea, Salix repens*	8., 10.
Cossidae			
6. *Cossus cossus* (Linnaeus 1758)	mesophilous	*Salix, Populus tremula, Betula, Alnus, Malus*	6.
7. *Dyspessa ulula* (Borkhausen, 1790)	xerothermophilous	*Allium flavum, Allium sativum*	1., 3., 5., 6., 9.
8. *Phragmataecia castaneae* (Hübner 1790)	hygrophilous	*Phragmites comunis, Phragmites australis*	3.
9. *Zeuzera pyrina* (Linnaeus 1761)	mesophilous	*Salix, Prunus spinosa, Prunus domestica, Prunus avium, Malus, Crataegus*	2., 3.
Crambidae			
10. *Elophila nymphaeata* (Linnaeus 1758)	hygrophilous	*Potamogeton, Nymphoides, Nymphaea, Sparganium*	14.
11. *Nymphula nitidulata* (Hufnagel 1767)	hygrophilous	*Sparganium*	14.
12. *Parapoynx stratiotata* (Linnaeus 1758)	hygrophilous	*Potamogeton, Nymphaea, Ceratophyllum*	3., 11., 14.
13. *Agriphila geniculea* (Haworth 1811)	xerothermophilous	Gramineae	9., 13.
14. *Catoptria falsella* (Denis & Schiffermüller 1775)	mesophilous	*Barbula muralis, Trtula intermedia, T. muralis, Brachythecium rutabulum*	3.
15. *Catoptria pinella* (Linnaeus 1758)	mesophilous	*Deschampsia cespitosa, Cyperaceae, Bryum*	14.
16. *Chilo phragmitella* (Hubner 1805)	hygrophilous	*Phragmites communis, Glyceria*	4., 14.
17. *Crambus lathoniellus* (Zincken 1817)	mesophilous-hygrophilous	*Deschampsia cespitosa, Aira*	5., 14.
18. *Pediasia contaminella* (Hübner 1796)	xerothermophilous	Gramineae	3.
19. *Anania coronata* (Hufnagel 1767)	mesophilous	*Sambucus nigra, Syringa vulgaris, Convolvulus arvensis, Fraxinus, Ligustrum vulgare, Viburnum*	3., 6.
20. *Anania lancealis* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Eupatorium cannabinum, Stachys, Senecio*	6., 12.
21. *Anania stachydalis* (Germar 1821)	mesophilous	*Stachys, Stachys sylvatica*	14.
22. *Loxostege sticticalis* (Linnaeus 1761)	xerothermophilous	*Artemisia vulgaris, Atriplex*	3.
23. *Nascia cilialis* (Hubner 1796)	hygrophilous	*Carex, Cladium mariscus*	2., 5.
24. *Ostrinia nubilalis* (Hübner 1796)	xerothermophilous	*Artemisia vulgaris, Rumex, Malva, Humulus lupulus*	3., 11., 14.
25. *Pyrausta aurata* (Scopoli 1763)	mesophilous-xerothermophilous	*Origanum vulgare, Mentha aquatica, Mentha arvensis, Thymus Salvia*	9.
26. *Pyrausta despicata* (Scopoli 1763)	mesophilous	*Plantago, Salvia, Gnaphalium*	1., 3., 6., 8., 10., 14.
27. *Pyrausta purpuralis* (Linnaeus 1758)	mesophilous-xerothermophilous	*Mentha aquatica, Mentha arvensis, Origanum vulgare, Prunella vulgaris, Thymus*	14.
28. *Pyrausta rectefascialis* Toll 1936	mesophilous	*Salvia, Thymus*	3.
29. *Sitochroa verticalis* (Linnaeus 1758)	mesophilous	*Cirsium arvense, Atriplex, Rumex, Urtica, Centaurea, Viola odorata, Cytisus scoparius*	14.
30. *Uresiphita gilvata* (Fabricius 1794)	mesophilous	*Genista, Ulex, Cytisus, Chamaecytisus*	3.
31. *Sclerocona acutella* (Eversmann 1842)	hygrophilous	*Phragmites australis*	3., 5., 14.
32. *Eudonia delunella* (Stainton 1849)	mesophilous	lichens	5., 14.
33. *Eudonia mercurella* (Linnaeus 1758)	mesophilous	*Hypnum,* Bryophyta	3., 6., 8., 11.
34. *Eudonia pallida* (Curtis 1827)	mesophilous	lichens, Bryophyta	5.

	Systematic list of recorded species	Habitat preference	Host plants	Locality
35.	*Scoparia basistrigalis* Knaggs 1866	mesophilous	lichens	13.
36.	*Scoparia perplexella* (Zeller 1839)	mesophilous	unknown	12.
37.	*Scoparia pyralella* (Denis & Schiffermüller 1775)	mesophilous	*Senecio jacobaea*	6.
38.	*Agrotera nemoralis* (Scopoli 1763)	mesophilous	*Carpinus betulus, Castanea sativa, Quercus*	6., 11., 13.,14.
39.	*Dolicharthria punctalis* (Denis & Schiffermüller 1775)	xerothermophilous	*Centaurea, Plantago, Trifolium, Artemisia vulgaris, Lotus*	2., 3.
40.	*Metasia ophialis* (Treitschke 1829)	mesophilous	unknown	14.
41.	*Palpita vitrealis* (Rossi 1794)	xerothermophilous	*Jasminum officinale, Olea europaea, Ligustrum, Fraxinus, Arbutus unedo*	8.
42.	*Pleuroptya ruralis* (Scopoli 1763)	mesophilous	*Urtica dioica, Chenopodium, Atriplex, Humulus lupulus, Filipendula ulmaria, Ribes, Spiraea*	6., 13., 14.
43.	*Udea ferrugalis* (Hubner 1796)	mesophilous	*Stachys, Eupatorium, Arctium, Mentha, Fragaria*	1., 2., 6., 14.
Drepanidae				
44.	*Cilix glaucata* (Scopoli 1763)	xerothermophilous	*Prunus spinosa, Prunus domestica, Crataegus, Malus sylvestris*	6.,
45.	*Watsonalla binaria* (Hufnagel 1767)*	mesophilous	*Quercus*	6., 8.
46.	*Asphalia ruficollis* (Denis & Schiffermuller 1775)	xerothermophilous	*Quercus*	6., 7.
47.	*Cymatophorina diluta* (Denis & Schiffermuller 1775)	mesophilous	*Quercus*	7.
48.	*Habrosyne pyritoides* (Hufnagel 1766)	mesophilous	*Rubus plicatus, Rubus*	6.,
49.	*Polyploca ridens* (Fabricius 1787)	xerothermophilous	*Quercus*	1., 14.
50.	*Tethea ocularis* (Linnaeus 1767)	mesophilous	*Populus tremula*	6., 8.
51.	*Tethea or* (Denis & Schiffermüller 1775)	mesophilous	*Populus tremula*	3., 6.
52.	*Thyatira batis* (Linnaeus 1758)	mesophilous	*Rubus, Rubus plicatus*	3., 6., 12., 13., 14.
Elachistidae				
53.	*Agonopterix yeatiana* (Fabricius 1781)	mesophilous	*Daucus carota, Oenanthe*	14.
54.	*Ethmia bipunctella* (Fabricius 1775)	xerothermophilous	*Echium vulgare, Symphytum, Cynoglossum, Anchusa, Lithospermum*	3.
55.	*Ethmia haemorrhoidella* (Eversmann 1844)	mesophilous	unknown	14.
Erebidae				
56.	*Arctia villica* (Linnaeus 1758)	xerothermophilous	*Taraxacum officinale, Plantago, Achillea millefolium Lamium, Urtica, Centaurea, Fragaria, Leontodo*	2., 3., 9., 13., 14.
57.	*Diacrisia sannio* (Linnaeus, 1758)	mesophilous	*Galium, Plantago, Urtica dioica, Alnus, Salix, Polygonum, Trifolium, Calluna, vulgaris Cirsium, Taraxacum officinale, Hieracium, Leontodon*	4., 6., 9.
58.	*Euplagia quadripunctaria* (Poda 1761)	mesophilous	*Lamium, Epilobium, Corylus, Rubus, Lonicera, Cytisus, Urtica dioica*	14.
59.	*Phragmatobia fuliginosa* (Linnaeus 1758)	mesophilous	*Urtica, Lamium, Leontodon*	2., 3., 6., 14.
60.	*Spilosoma lubricipeda* (Linnaeus 1758)	mesophilous	*Urtica, Polygonum, Rumex, Rubus, Trifolium, Geranium, Plantago, Taraxacum, officinale, Lactuca serriola, Rubus plicatus*	6., 8., 13.
61.	*Spilosoma lutea* (Hufnagel 1766)	mesophilous	*Urtica, Rumex, Plantago, Taraxacum officinale*	3., 6., 11., 13.
62.	*Eilema caniola* (Hübner 1808)	xerothermophilous	lichens	2., 4., 9., 14.
63.	*Eilema complana* (Linnaeus 1758)	mesophilous	lichens	11., 14.
64.	*Eilema depressa* (Esper 1787)	mesophilous	lichens, *Parmelia*	2., 3., 9., 13., 14.
65.	*Eilema sororcula* (Hufnagel 1766)	mesophilous	lichens	3., 4., 6., 7., 10., 11., 14.
66.	*Lithosia quadra* (Linnaeus 1758)	mesophilous	lichens	3., 6., 13.
67.	*Miltochrista miniata* (Forster 1771)	mesophilous	lichens	1., 4., 6., 14.
68.	*Pelosia muscerda* Hufnagel 1766	hygrophilous	lichens, *Parmelia*	3., 5., 6., 11., 14.
69.	*Amata phegea* (Linnaeus, 1758)	mesophilous	*Plantago, Rumex, Galium, Taraxacum officinale, Lamium, Leontodon Lactuca*	2., 4., 9., 14.
70.	*Dysauxes ancilla* (Linnaeus 1767)	xerothermophilous	*Taraxacum, Senecio, Plantago, Lactuca*	3.
71.	*Dysauxes famula* (Freyer 1836)	xerothermophilous	*Taraxacum, Senecio, Plantago, Lactuca*	13.

	Systematic list of recorded species	Habitat preference	Host plants	Locality
72.	*Calyptra thalictri* (Borkhausen 1790)	mesophilous	*Thalictrum*	2., 3., 6.
73.	*Catocala electa* (Vieweg 1790)	hygrophilous	*Salix*	1.
74.	*Catocala fulminea* (Scopoli 1763)	mesophilous-xerothermophilous	*Prunus spinosa, Prunus domestica, Prunus padus*	1., 6.
75.	*Catocala nymphagoga* (Esper 1787)	xerothermophilous	*Quercus*	1.
76.	*Catocala sponsa* (Linnaeus 1767)	mesophilous	*Quercus*	1.
77.	*Catephia alchymista* (Denis & Schiffermüller 1775)	mesophilous	*Quercus*	3.,
78.	*Dysgonia algira* (Linnaeus 1767)	xerothermophilous	*Rubus, Salix, Genista, Parietaria officinalis, Ricinus communis, Lythrum salicaria*	9., 14.
79.	*Minucia lunaris* (Denis & Schiffermüller 1775)	mesophilous-xerothermophilous	*Quercus*	3.
80.	*Lygephila pastinum* (Treitschke 1826)	mesophilous	*Astragalus, Coronilla, Vicia*	2., 3., 14.
81.	*Lygephila procax* (Hübner 1813)	xerothermophilous	*Vicia, Coronilla, Lathyrus, Colutea*	11.
82.	*Eublemma purpurina* (Denis & Schiffermüller, 1775)	xerothermophilous	*Cirsium arvense, Dictamnus albus*	5., 6.
83.	*Eublemma ostrina* (Hübner, 1808)	xerothermophilous	*Carduus, Carlina vulgaris, Echinops exaltatus, Cirsium, Helichrysum arenarium*	3.
84.	*Herminia grisealis* Denis & Schiffermüller 1775	mesophilous	*Quercus, Carpinus, Betula, Prunus, Crataegus, Alnus, Urtica*	11.
85.	*Herminia tarsicrinalis* (Knoch 1782)	mesophilous	*Rubus, Clematis, Urtica*	3., 4., 5., 6., 13., 14.
86.	*Herminia tarsipennalis* (Treitschke 1835)	mesophilous	dead leafs	1., 3., 5., 6., 12., 13.
87.	*Herminia tenuialis* (Rebel 1899)	xerothermophilous	Graminae	2., 3.,
88.	*Paracolax tristalis* (Fabricius 1794)	mesophilous	dead leafs	1., 6., 11., 14.
89.	*Pechipogo plumigeralis* Hübner 1825	xerothermophilous	*Rubus, Cytisus, Rosa, Chamaecytisus, Hedera helix*	3., 13.
90.	*Pechipogo strigilata* (Linnaeus 1758)	mesophilous	dead leafs	2., 6.
91.	*Polypogon tentacularia* (Linnaeus 1758)	mesophilous-hygrophilous	*Hieracium, Taraxacum officinale, Epilobium, Solidago*	3., 14.
92.	*Idia calvaria* (Denis & Schiffermüller, 1775)	hygrotermophilous	*Populus, Salix*	5., 6.
93.	*Zanclognatha lunalis* (Scopoli 1763)	mesophilous-xerothermophilous	dead leafs	11., 14.
94.	*Hypena proboscidalis* (Linnaeus 1758)	mesophilous	*Urtica dioica, Lamium, Humulus lupulus, Plantago, Stachys, Aegopodium*	3.
95.	*Zekelita antiqualis* (Hübner 1809)	xerothermophilous	*Salvia officinalis*	1., 3., 11.
96.	*Colobochyla salicalis* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Populus tremula, Salix caprea*	14.
97.	*Phytometra viridaria* (Clerck 1759)	mesophilous-hygrophilous	*Polygala vulgaris, Polygala serpyllifolia*	1., 11., 14.
98.	*Trisateles emortualis* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Fagus, Carpinus, Rubus*	6., 11., 14.
99.	*Rivula sericealis* (Scopoli 1763)	mesophilous-hygrophilous	*Gramineae, Brachypodium, Carex, Poa*	3., 6., 13., 14.
100.	*Zebeeba falsalis* (Herrich-Schäffer 1839)	xerothermophilous	*Asparagus*	1., 12., 13.
101.	*Lymantria dispar* (Linnaeus 1758)	mesophilous	*Quercus, Arbores fructiferae, Salix, Populus, Crataegus, Malus, Ulmus*	1., 2., 3., 6., 14.
102.	*Lymantria monacha* (Linnaeus 1758)	mesophilous	*Pinus, Picea, Abies alba*	6.
103.	*Euproctis chrysorrhoea* (Linnaeus 1758)	mesophilous	*Quercus, Arbores fructiferae, Prunus cerasus, Prunus, Malus, Pyrus*	6., 13., 14.
104.	*Calliteara pudibunda* (Linnaeus 1758)	mesophilous	*Fagus, Betula, Quercus, Carpinus, Corylus*	7., 8.
105.	*Orgyia antiqua* (Linnaeus 1758)	mesophilous	*Salix, Sorbus aucuparia, Quercus, Prunus, Rosa canina*	1., 3., 11.
Gelechiidae				
106.	*Dichomeris derasella* (Denis & Schiffermüller 1775)	mesophilous	*Crataegus, Malus sylvestris, Prunus cerasus, Prunus spinosa Rubus caesius, Rubus fruticosus*	6., 11., 12., 14.
107.	*Dichomeris ustalella* (Fabricius 1794)	mesophilous	*Tilia cordata*	13.
Geometridae				
108.	*Alsophila aescularia* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Arbores fructiferae, Crataegus, Corylus avellana, Prunus spinosa*	1., 7., 8., 10., 11., 14.
109.	*Abraxas grossulariata* Linnaeus 1758	mesophilous-hygrophilous	*Ribes rubrum, Ribes nigrum, Prunus spinosa, Crataegus, Corylus*	6.

	Systematic list of recorded species	Habitat preference	Host plants	Locality
110.	*Ligdia adustata* (Denis & Schiffermüller 1775)	mesophilous	*Euonymus europaeus, Euonymus verrucosa, Berberis*	4., 6., 7., 8., 10., 11., 13., 14.
111.	*Angerona prunaria* Linnaeus 1758	mesophilous-hygrophilous	*Prunus spinosa, Prunus domestica, Crataegus, Populus tremula, Salix caprea, Corylus, Vaccinium, Rubus, Cytisus*	3., 6., 7., 8., 11., 12., 13., 14.
112.	*Lomographa bimaculata* (Fabricius 1775)	mesophilous-hygrophilous	*Prunus domestica, Crataegus, Prunus, Tilia, Quercus, Prunus spinosa*	6., 7., 11., 14.
113.	*Lomographa temerata* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Prunus domestica, Prunus spinosa, Malus, Rosa canina, Salix Quercus*	6., 8., 11., 12., 14.
114.	*Agriopis marginaria* Fabricius 1776	mesophilous	*Quercus, Fagus, Populus tremula*	1., 6., 14.
115.	*Apocheima hispidaria* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Salix, Betula, Carpinus, Alnus, Fagus, Ulmus*	1., 2., 3., 7., 8., 14.
116.	*Biston betularia* (Linnaeus 1758)	mesophilous	*Quercus, Betula, Ulmus, Fagus, Salix, Arbores fructiferae*	4.
117.	*Biston strataria* (Hufnagel 1767)	mesophilous	*Quercus, Tilia, Populus, Salix, Betula, Alnus, Ulmus, Acer, Arbores fructiferae, Corylus*	10., 11.
118.	*Erannis defoliaria* (Clerck 1759)	mesophilous	*Quercus, Fagus, Carpinus, Tilia, Ulmus, Betula, Arbores fructiferae*	3.
119.	*Lycia hirtaria* (Clerck 1759)	mesophilous	*Ulmus, Betula, Fraxinus, Quercus, Populus, Tilia, Salix, Crataegus, Prunus domestica, Robinia pseudacacia, Arbores fructiferae*	1., 2., 3., 4., 7., 8., 10., 11., 14.
120.	*Phigalia pilosaria* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Ulmus, Tilia, Prunus spinosa, Populus tremula, Acer, Pyrus, Crataegus, Betula, Carpinus, Corylus*	1.
121.	*Ascotis selenaria* Denis & Schiffermüller 1775	xerothermophilous	*Artemisia campestris, Sambucus nigra, Rubus idaeus, Cytisus scoparius,* Rosaceae	3., 5.
122.	*Ectropis crepuscularia* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Betula, Salix, Ulmus, Populus, Alnus, Prunus domestica*	1., 2., 3., 4., 6., 8., 10.
123.	*Ematurga atomaria* (Linnaeus 1758)	mesophilous-hygrophilous	*Calluna, Cytisus scoparius, Artemisia, Coronilla, Lotus corniculatus, Scabiosa, Trifolium*	2., 3., 8., 11., 13.
124.	*Hypomecis punctinalis* (Scopoli 1763)	mesophilous	*Quercus, Betula, Prunus, Tilia, Populus, Salix, Prunus spinosa, Tilia, Alnus*	3., 6., 11., 12.
125.	*Hypomecis roboraria* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Fagus, Salix, Betula*	7.
126.	*Menophra abruptaria* (Thunberg 1792)	mesophilous-xerothermophilous	*Ligustrum vulgare, Syringa vulgaris, Clematis, Ulmus, Quercus, Ribes rubrum, Prunus domestica, Cytisus, Tilia, Jasminum, Arbutus unedo, Rosa canina*	1.
127.	*Nychiodes obscuraria* (de Villers, 1789)	xerothermophilous	*Prunus spinosa, Prunus, Genista, Ulex*	5.
128.	*Peribatodes correptaria* (Zeller 1847)	mesophilous	*Cupressus*	11.
129.	*Peribatodes rhomboidaria* (Denis & Schiffermüller 1775)	mesophilous	*Prunus spinosa, Crataegus, Frangula alnus, Ligustrum vulgare, Clematis vitalba, Arbores fructiferae, Hedera helix, Quercus, Fraxinus, Rubus, Lonicera, Rosa canina, Clematis, Ligustrum, Prunus domestica*	3., 5., 6., 9., 11., 12., 14.
130.	*Synopsia sociaria* (Hübner, 1799)	mesophilous-xerothermophilous	*Artemisia, Artemisia campestris, Thymus, Plantago, Hippophae rhamnoides, Prunus spinosa, Quercus, Lavandula, Centaurea, Tamarix, Lotus corniculatus*	6.
131.	*Cabera exanthemata* (Scopoli 1763)	mesophilous	*Salix, Populus tremula, Alnus glutinosa, Betula, Corylus avellana*	6., 7., 11., 14., 13.
132.	*Campaea margaritaria* (Linnaeus 1761)	mesophilous	*Fagus, Quercus, Carpinus, Betula, Salix caprea, Prunus*	1., 3., 8., 13., 14,
133.	*Lomaspilis marginata* (Linnaeus 1758)	mesophilous-hygrophilous	*Salix caprea*	6., 14.
134.	*Stegania cararia* (Hübner 1790)	mesophilous-hygrophilous	*Populus, Populus tremula, Alnus glutinosa*	6., 14.
135.	*Stegania trimaculata* (de Villers 1789)	mesophilous-hygrophilous	*Populus*	3., 4., 6.
136.	*Colotois pennaria* (Linnaeus 1761)	mesophilous	*Quercus, Carpinus, Salix caprea, Tilia, Betula, Arbores fructiferae*	3.
137.	*Apeira syringaria* Linnaeus 1758	mesophilous	*Lonicera, Syringa vulgaris, Ligustrum vulgare, Fraxinus excelsior, Symphoricarpos albus*	14.
138.	*Ennomos autumnaria* (Werneburg 1859)	mesophilous	*Tilia, Betula, Alnus glutinosa, Quercus, Salix*	13.
139.	*Ennomos fuscantaria* (Haworth, 1809)	mesophilous-hygrophilous	*Fraxinus excelsior*	5.
140.	*Ennomos quercaria* (Hübner 1813)	xerothermophilous	*Quercus robur, Quercus ilex*	6., 13.
141.	*Pseudopanthera macularia* (Linnaeus, 1758)	mesophilous	*Stachys sylvatica, Lamium, Mentha, Teucrium chamaedrys*	3., 5., 14.
142.	*Selenia dentaria* (Fabricius 1775)	mesophilous	*Betula, Alnus incana, Rubus idaeus, Filipendula ulmaria, Sorbus aucuparia, Prunus padus, Tilia, Acer platanoides, Rhamnus, Calluna vulgaris, Vaccinium, Ledum palustre*	1., 10., 11.
143.	*Selenia lunularia* (Hübner 1788)	mesophilous-xerothermophilous	*Alnus incana, Quercus, Rosa, Prunus, Fraxinus excelsior*	3., 11.

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144. *Selenia tetralunaria* (Hufnagel 1767)	mesophilous	*Quercus, Tilia, Betula, Corylus, Salix, Alnus*	1.
145. *Epione repandaria* (Hufnagel 1767)	mesophilous-hygrophilous	*Salix, Populus tremula*	3., 5., 14.
146. *Opisthograptis luteolata* (Linnaeus 1758)	mesophilous	*Crataegus, Prunus spinosa, Sorbus, Lonicera, Salix, Sorbus*	1., 3., 9.
147. *Crocallis tusciaria* (Borkhausen 1793)	mesophilous-xerother-mophilous	*Prunus spinosa, Clematis vitalba, Frangula alnus, Crataegus, Berberis*	4.
148. *Plagodis dolabraria* (Linnaeus 1767)	mesophilous	*Quercus, Tilia, Betula, Sambucus*	11.
149. *Plagodis pulveraria* (Linnaeus 1758)	mesophilous	*Rubus Rubus plicatus Salix Corylus Alnus Quercus Betula*	1., 14.
150. *Chiasmia clathrata* (Linnaeus 1758)	mesophilous-xerother-mophilous	*Trifolium, Medicago*	1., 2., 5., 10., 14.
151. *Heliomata glarearia* (Denis & Schiffermüller 1775)	xerothermophilous	*Medicago lupulina, Trifolium, Lathyrus pratensis, Hippocrepis comosa*	11., 11.
152. *Isturgia arenacearia* (Denis & Schiffermüller 1775)	xerothermophilous	*Coronilla varia*	1., 2., 3., 11., 14.
153. *Macaria alternata* (Denis & Schiffermüller 1775)	mesophilous	*Salix caprea, Quercus, Alnus, Prunus spinosa, Prunus padus*	1., 6., 7., 8., 14.
154. *Macaria liturata* (Clerck 1759)	mesophilous-xerother-mophilous	*Picea abies, Pinus sylvestris, Pinus strobus, Abies alba*	11., 14.
155. *Ourapteryx sambucaria* (Linnaeus 1758)	mesophilous	*Sambucus nigra, Clematis vitalba, Lonicera, Syringa, Prunus spinosa, Hedera helix*	13.
156. *Theria rupicapraria* (Denis & Schiffermüller, 1775)	mesophilous-xerother-mophilous	*Prunus spinosa, Crataegus, Prunus domestica*	14.
157. *Comibaena bajularia* (Denis & Schiffermüller 1775)	mesophilous-xerother-mophilous	*Quercus*	14.
158. *Hemithea aestivaria* (Hübner 1789)	mesophilous	*Quercus, Prunus padus, Salix caprea, Prunus spinosa, Betula, Corylus, Rhamnus, Ribes rubrum, Sorbus aucuparia, Tilia*	3., 13., 14.
159. *Jodis lactearia* (Linnaeus 1758)	mesophilous-hygrophilous	*Corylus, Quercus, Betula, Vaccinium myrtillus*	6., 7., 8., 11., 13.
160. *Aplasta ononaria* (Fuessly, 1783)	xerothermophilous	*Ononis spinosa, Ononis repens*	7., 8.
161. *Cataclysme riguata* (Hübner, 1813)	xerothermophilous	*Galium verum, Galium mollugo, Galium glaucum*	7., 8.
162. *Chloroclysta siterata* (Hufnagel 1767)	mesophilous	*Tilia, Quercus, Acer, Prunus padus, Arbores fructiferae*	1.
163. *Chloroclystis v-ata* (Haworth, 1809)	mesophilous-hygrophilous	*Eupatorium cannabinum, Origanum vulgare, Sambucus nigra, Clematis vitalba, Angelica sylvestris, Achillea*	9.
164. *Colostygia pectinataria* (Knoch 1781)	mesophilous-hygrophilous	*Galium, Lamium, Urtica*	3., 4., 6., 9.
165. *Cosmorhoe ocellata* (Linnaeus 1758)	mesophilous-hygrophilous	*Galium mollugo, Galium verum*	12.
166. *Plemyria rubiginata* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Alnus glutinosa, Alnus incana*	3., 11.
167. *Eupithecia abbreviata* Stephens, 1831	xerothermophilous	*Quercus*	2., 14.
168. *Eupithecia insigniata* (Hübner 1790)	xerothermophilous	*Malus sylvestris, Malus domestica, Crataegus, Prunus spinosa, Pyrus*	8.
169. *Eupithecia irriguata* (Hübner, 1813)	xerothermophilous	*Quercus*	1., 2., 4., 14.
170. *Anticlea derivata* Denis & Schiffermüller 1775	xerothermophilous	Rosaceae	6., 8., 13.
171. *Earophila badiata* (Denis & Schiffermüller 1775)	mesophilous	Rosaceae	1., 6., 7., 8., 14.
172. *Horisme tersata* (Denis & Schiffermüller 1775)	xerothermophilous	*Clematis vitalba*	3., 8., 11., 14.
173. *Horisme vitalbata* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Clematis vitalba*	9., 11., 13., 14.
174. *Melanthia procellata* (Denis & Schiffermüller 1775)	mesophilous	*Clematis vitalba*	5., 6., 8., 12., 14.
175. *Epirrita dilutata* (Denis & Schiffermüller, 1775)	mesophilous-hygrophilous	*Quercus, Betula, Alnus, Fagus, Arbores fructiferae, Acer, Corylus, Crataegus, Fraxinus, Ulmus*	6.
176. *Philereme vetulata* (Denis & Schiffermüller, 1775)	mesophilous-xerother-mophilous	*Rhamnus catharticus, Frangula alnus*	6.
177. *Triphosa dubitata* (Linnaeus 1758)	mesophilous-xerother-mophilous	*Rhamnus catharticus*	6., 11.
178. *Acasis viretata* (Hübner 1799)	mesophilous	*Rhamnus catharticus, Frangula alnus, Ligustrum vulgare, Cornus sanguinea, Crataegus, Spiraea, Sorbus aucuparia*	8.
179. *Camptogramma bilineata* (Linnaeus 1758)	mesophilous	*Galium, Rumex, Potentilla, Urtica, Ononis, Viola canina*	4.
180. *Catarhoe cuculata* (Hufnagel 1767)	mesophilous-hygrophilous	*Galium mollugo, Galium verum*	14.
181. *Catarhoe rubidata* (Denis & Schiffermüller 1775)	mesophilous	*Galium mollugo, Galium verum, Galium odoratum*	12.
182. *Costaconvexa polygrammata* (Borkhausen 1794)	hygrophilous	*Galium mollugo, Galium palustre, Galium verum, Galium saxatile*	1., 12., 14.

Systematic list of recorded species	Habitat preference	Host plants	Locality
183. *Nycterosea obstipata* (Fabricius, 1794)	xerothermophilous	*Galium mollugo, Rumex, Convolvulus, Senecio, Anthemis, Alyssum, Anthemis, Eupatorium, Nasturtium*	6.
184. *Epirrhoe alternata* (Müller 1764)	mesophilous-hygrophilous	*Galium mollugo*	2., 11., 14.
185. *Scotopteryx luridata* (Hufnagel 1767)	mesophilous	*Cytisus scoparius, Genista, Ulex*	1., 11.
186. *Xanthorhoe ferrugata* (Clerck 1759)	mesophilous-hygrophilous	*Galium, Stellaria, Campanula*	6., 7., 11., 13., 14.
187. *Xanthorhoe fluctuata* (Linnaeus 1758)	mesophilous	*Aster sedifolius, Sisymbrium, Alyssum, Alliaria, Brassica*	11.
188. *Cyclophora albiocellaria* (Hübner 1789)	xerothermophilous	*Acer*	1.
189. *Cyclophora annularia* (Fabricius 1775)	mesophilous	*Acer*	6., 7., 8., 11., 12., 13., 14.
190. *Cyclophora pendularia* (Clerck 1759)	hygrophilous	*Salix caprea*	5., 7., 8., 10., 13.
191. *Cyclophora puppillaria* (Hübner 1799)	xerothermophilous	*Quercus*	1.
192. *Cyclophora suppunctaria* (Zeller 1847)	xerothermophilous	*Quercus pubescens, Quercus robur, Quercus pyrenaica, Quercus*	11.
193. *Idaea aversata* (Linnaeus 1758)	mesophilous	*Polygonum*	1., 3.
194. *Idaea degeneraria* (Hübner 1799)	mesophilous	*Achillea, Scabiosa, Convolvulus, Frangula alnus*	3., 11., 13., 14.
195. *Idaea moniliata* (Denis & Schiffermüller 1775)	xerothermophilous	*Vicia, Leontodon, Myosotis*	1.
196. *Idaea muricata* (Hufnagel 1767)	hygrotermophilous	*Potentilla palustris, Polygonum, Hypericum, Galium*	5., 14.
197. *Idaea politaria* (Hubner 1799)	xerothermophilous	unknown	1.
198. *Idaea seriata* (Schrank 1802)	mesophilous-xerothermophilous	*Lichens, Hedera helix*	1.
199. *Rhodometra sacraria* (Linnaeus 1767)	xerothermophilous	*Polygonum, Taraxacum officinale, Rumex*	9.
200. *Rhodostrophia vibicaria* (Clerck 1759)	mesophilous-xerothermophilous	*Calluna vulgaris, Cytisus scoparius, Coronilla varia, Genista*	11.
201. *Scopula imitaria* (Hübner 1799)	xerothermophilous	*Ligustrum*	6.
202. *Scopula ornata* (Scopoli 1763)	xerothermophilous	*Thymus, Origanum vulgare, Achillea millefolium, Mentha, Veronica*	2.
203. *Scopula rubiginata* (Hufnagel 1767)	xerothermophilous	*Polygonum aviculare, Thymus, Trifolium, Lotus, Convolvulus, Taraxacum officinale*	14.
204. *Timandra comae* Schmidt 1931	mesophilous-hygrophilous	*Rumex, Polygonum*	3., 6., 9.
Hepialidae			
205. *Triodia sylvina* (Linnaeus 1761)	mesophilous-xerothermophilous	*Malva*	6., 9.
Incurvariidae			
206. *Incurvaria pectinea* Haworth 1828	mesophilous	*Alnus glutinosa, Betula pendula, Betula pubescens, Corylus avellana, Carpinus*	8.
Lasiocampidae			
207. *Lasiocampa quercus* (Linnaeus 1758)	mesophilous	*Quercus, Salix, Rubus, Calluna vulgaris, Vaccinium*	3., 11.
208. *Macrothylacia rubi* (Linnaeus, 1758)	mesophilous	*Calluna vulgaris, Rubus plicatus, Rubus, Quercus, Fragaria, Trifolium, Medicago*	9.
209. *Gastropacha quercifolia* (Linnaeus 1758)	mesophilous	*Salix caprea, Prunus spinosa, Corylus, Frangula alnus, Sorbus aucuparia, Crataegus*	2., 3., 6., 14.
210. *Poecilocampa populi* (Linnaeus 1758)	mesophilous	*Populus, Salix, Betula, Quercus, Malus, Prunus, Pyrus*	4., 6.
Limacodidae			
211. *Apoda limacodes* Hufnagel 1766	mesophilous	*Fagus, Quercus, Carpinus*	1., 13.
212. *Heterogenea asella* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Fagus, Carpinus, Acer, Prunus, Tilia, Ulmus, Betula*	14.
Noctuidae			
213. *Acontia trabealis* (Scopoli 1763)	xerothermophilous	*Convolvulus arvensis, Calystegia sepium*	2., 3., 6., 11., 13., 14.
214. *Aedia leucomelas* (Linnaeus 1758)	thermophilous	*Convolvulus, Calystegia sepium*	6., 9.
215. *Acronicta auricoma* (Denis & Schiffermüller 1775)	mesophilous	*Betula, Rubus, Salix, Populus*	5., 7., 14.
216. *Acronicta rumicis* (Linnaeus 1758)	mesophilous	*Rumex, Salix, Crataegus, Plantago*	3.
217. *Acronicta strigosa* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Crataegus, Prunus, Sorbus, Rhamnus, Prunus padus*	4., 6., 7., 10., 11., 13.

	Systematic list of recorded species	Habitat preference	Host plants	Locality
218.	*Actronicta aceris* (Linnaeus 1758)	mesophilous	*Acer platanoides, Aesculus, Populus, Salix, Ulmus*	6.
219.	*Craniophora ligustri* (Denis & Schiffermüller 1775)	mesophilous	*Fraxinus, Ligustrum vulgare, Syringa*	2., 3., 4., 6., 7., 8., 11., 14.
220.	*Subacronicta megacephala* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Alnus, Populus, Salix*	2., 3., 6., 7.
221.	*Amphipyra pyramidea* (Linnaeus 1758)	mesophilous	*Quercus, Ulmus, Salix, Tilia, Crataegus, Populus, Carpinus, Syringa*	3., 9., 14.
222.	*Allophyes oxyacanthae* (Linnaeus 1758)	mesophilous	*Crataegus, Prunus cerasus, Malus, Prunus, Pyrus, Arbores fructiferae*	3.
223.	*Asteroscopus sphinx* (Hufnagel 1766)	mesophilous	*Tilia, Quercus, Fagus, Carpinus, Salix, Populus, Crataegus, Corylus avellana, Fraxinus excelsior*	3.
224.	*Brachionycha nubeculosa* (Esper 1785)	mesophilous-hygrophilous	*Betula, Salix, Populus tremula, Prunus padus, Lonicera xyloseteum, Tilia, Frangula alnus, Quercus, Ulmus*	7., 10.
225.	*Meganephria bimaculosa* (Linnaeus 1767)	mesophilous	*Ulmus, Prunus spinosa, Quercus*	2., 3.
226.	*Valeria oleagina* (Denis & Schiffermüller 1775)	xerothermophilous	*Prunus, Crataegus*	2., 3., 11., 14.
227.	*Laspeyria flexula* (Denis & Schiffermüller 1775)	mesophilous	lichens	3., 4., 13., 14.
228.	*Cryphia algae* (Fabricius 1775)	mesophilous-hygrophilous	lichens	9., 14.
229.	*Eucarta amethystina* (Hübner 1803)	mesophilous-hygrophilous	*Daucus carota, Peucedanum, Petroselinum, Silene*	3., 6., 11., 14.
230.	*Diloba caeruleocephala* (Linnaeus 1758)	mesophilous	*Crataegus, Corylus, Malus, Prunus, Populus, Quercus, Salix, Arbores fructiferae*	3.
231.	*Callopistria latreillei* (Duponchel 1827)	mesophilous-hygrophilous	*Asplenium ceterach, Cochlearia officinalis, Adiantum capillus-veneris*	2., 6.
232.	*Deltote bankiana* (Fabricius 1775)	mesophilous-hygrophilous	*Poa annua, Poa pratensis, Carex, Calamagrostis, Cyperus*	3., 11.
233.	*Deltote pygarga* (Hufnagel 1766)	mesophilous-hygrophilous	*Rubus idaeus, Lonicera, Molinia caerulea, Calamagrostis, Brachypodium, Dactylis*	3., 4., 5., 8., 11., 13., 14.
234.	*Eutelia adulatrix* (Hübner 1813)	xerothermophilous	*Cotinus coggygria, Ligustrum vulgare*	13.
235.	*Helicoverpa armigera* (Hübner 1808)	xerothermophilous	*Reseda, Solanaceae, Nicotiana*	9.
236.	*Tyta luctuosa* (Denis & Schiffermüller 1775)	xerothermophilous	*Convolvulus arvensis, Calystegia, Plantago*	2., 3., 9., 13., 14.
237.	*Chloantha hyperici* (Denis & Schiffermüller 1775)	xerothermophilous	*Hypericum*	9.
238.	*Apamea scolopacina* (Esper 1788)	mesophilous-hygrophilous	*Briza, Melica, Milium, Poa*	13.
239.	*Luperina dumerilii* (Duponchel 1826)	xerothermophilous	Gramineae	2., 3., 9.
240.	*Oligia latruncula* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	Gramineae	3., 14.
241.	*Oligia strigilis* (Linnaeus 1758)	mesophilous-hygrophilous	*Elymus, Dactylis, Poa*	6.
242.	*Oligia versicolor* (Borkhausen 1792)	mesophilous-hygrophilous	Gramineae	5.
243.	*Photedes morrisii* (Dale 1837)	hygrophilous	*Festuca*	
244.	*Athetis hospes* (Freyer 1831)	hygrotermophilous	various low-growing plants, *Nicotiana*	2., 3., 14.
245.	*Caradrina clavipalpis* Scopoli 1763	xerothermophilous	*Leontodon, Stellaria media, Lamium, Rumex acetosa*	6.
246.	*Charanyca trigrammica* (Hufnagel 1766)	mesophilous	*Leontodon, Plantago major, Plantago lanceolata*	3., 8., 13.
247.	*Hoplodrina ambigua* (Denis & Schiffermüller 1775)	mesophilous-xerothermophilous	*Leontodon, Plantago, Rumex, Lactuca*	1.
248.	*Hoplodrina blanda* (Denis & Schiffermüller 1775)	mesophilous-xerothermophilous	*Plantago lanceolata, Rumex, Silene, Taraxacum, Sedum purpureum*	14.
249.	*Dypterygia scabriuscula* (Linnaeus 1758)	mesophilous-xerothermophilous	*Polygala vulgaris, Rumex, Taraxacum, Polygonum convolvulus*	3.
250.	*Mormo maura* (Linnaeus 1758)	hygrophilous	*Fragaria, Lamium, Rumex, Betula, Crataegus, Salix, Alnus*	3.
251.	*Polyphaenis sericata* (Esper 1787)	xerothermophilous	*Ligustrum, Lonicera, Cornus*	2., 3., 6., 11., 14.
252.	*Elaphria venustula* (Hübner 1790)	xerothermophilous	*Alchemilla, Calluna, Genista, Potentilla, Rubus, Cytisus*	2., 5., 6., 13., 14.
253.	*Conisania luteago* (Denis & Schiffermüller 1775)	xerothermophilous	*Silene, Dianthus, Lychnis*	3.
254.	*Lacanobia oleracea* (Linnaeus 1758)	mesophilous	herbaceous plants, *Atriplex*	3.
255.	*Leucania comma* (Linnaeus 1761)	mesophilous-hygrophilous	*Festuca, Dactylis glomerata, Deschampsia flexuosa,* Gramineae	14.
256.	*Leucania loreyi* (Duponchel 1827)	xerothermophilous	Gramineae	9.
257.	*Mythimna albipuncta* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	Gramineae, *Salix caprea, Salix viminalis*	3., 4., 9.

	Systematic list of recorded species	Habitat preference	Host plants	Locality
258.	*Mythimna congrua* (Hübner 1817)	xerothermophilous	Gramineae	14.
259.	*Mythimna ferrago* (Fabricius 1787)	mesophilous	Gramineae, *Plantago, Taraxacum, Deschampsia flexuosa*	6.
260.	*Mythimna l-album* (Linnaeus 1767)	mesophilous-hygrophilous	Gramineae, *Bromus, Festuca*	10., 11., 14.
261.	*Mythimna riparia* (Rambur 1829)	mesophilous-hygrophilous	*Calamagrostis*	4.
262.	*Mythimna scirpi* (Duponchel 1836)	hygrophilous	unknown	6., 14.
263.	*Mythimna turca* (Linnaeus 1761)	mesophilous-hygrophilous	*Dactylis glomerata, Poa nemoralis, Luzula,* Gramineae	2., 3.
264.	*Mythimna vitellina* (Hübner 1808)	xerothermophilous	Gramineae	3., 8.
265.	*Agrotis exclamationis* (Linnaeus 1758)	mesophilous-xerothermophilous	*Plantago, Taraxacum officinale, Rumex acetosa, Artemisia campestris, Plantago, Taraxacum officinale*	3., 5., 6., 9., 11., 14.
266.	*Agrotis ipsilon* (Hufnagel 1766)	mesophilous-xerothermophilous	*Crataegus, Solanum tuberosum, Nicotiana, Beta*	3., 6., 8., 14.
267.	*Agrotis segetum* (Denis & Schiffermüller 1775)	mesophilous-xerothermophilous	Gramineae	9.
268.	*Axylia putris* (Linnaeus 1761)	mesophilous-hygrophilous	*Rumex, Plantago, Stellaria, Polygonum, Galium, Atriplex*	3.
269.	*Cerastis rubricosa* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Fragaria, Galium, Lactuca, Plantago, Rumex, Salix, Senecio, Taraxacum, Vaccinium, Alnus incana, Salix*	2.
270.	*Eugnorisma depuncta* (Linnaeus 1761)	mesophilous	*Galium, Lamium, Primula, Rumex, Urtica*	1.
271.	*Euxoa temera* (Hübner 1808)	xerothermophilous	*Beta vulgaris*	3., 7.
272.	*Noctua comes* Hübner 1813	mesophilous-xerothermophilous	*Prunus spinosa, Crataegus, Salix, Calluna vulgaris, Rumex*	1.
273.	*Noctua fimbriata* (Schreber 1759)	mesophilous	*Primula, Rubus plicatus, Rubus, Taraxacum officinale, Trifolium , Vitis vinifera*	1., 3., 6., 8., 9., 13., 14.
274.	*Noctua janthina* Denis & Schiffermüller 1775	mesophilous-hygrophilous	*Crataegus, Primula, Rubus, Rumex, Ulmus, Urtica, Viola*	1., 3., 6., 8., 9., 13., 14.
275.	*Noctua pronuba* (Linnaeus 1758)	mesophilous-hygrophilous	Gramineae, *Brassica, Plantago major, Taraxacum officinale, Hieracium*	3., 6.
276.	*Ochropleura plecta* (Linnaeus 1761)	mesophilous-hygrophilous	*Galium, Senecio jacobaea*	5., 6., 13., 14.
277.	*Spaelotis ravida* (Denis & Schiffermüller 1775)	xerothermophilous	*Artemisia, Rumex, Taraxacum officinale, Cirsium*	11.
278.	*Xestia castanea* (Esper 1798)	mesophilous-xerothermophilous	*Calluna vulgaris, Erica, Genista, Scoparia*	3.
279.	*Xestia c-nigrum* (Linnaeus 1758)	mesophilous	*Stellaria media, Trifolium , Epilobium angustifolium*	1., 3.
280.	*Xestia stigmatica* (Hübner 1813)	mesophilous	*Lamium, Primula, Plantago, Stellaria, Taraxacum*	7.
281.	*Xestia xanthographa* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Galium verum, Rumex, Plantago, Stellaria, Viola*	4., 9.
282.	*Anorthoa munda* (Denis & Schiffermüller 1775)	mesophilous	*Carpinus, Fagus, Quercus, Prunus, Salix, Tilia, Ulmus*	1., 3., 7., 8., 10., 11., 14.
283.	*Egira conspicillaris* (Linnaeus 1758)	mesophilous	*Tilia, Acer, Cytisus, Rumex, Artemisia*	4., 7., 14.
284.	*Orthosia cerasi* (Fabricius 1775)	xerothermophilous	*Betula, Quercus, Salix, Ulmus*	2., 3., 8., 11., 14.
285.	*Orthosia cruda* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Betula, Crataegus, Acer, Salix, Lonicera*	2., 3., 4., 10., 14.
286.	*Orthosia gothica* (Linnaeus 1758)	mesophilous	*Tilia, Quercus, Populus, Betula, Alnus incana, Corylus avellana, Prunus padus, Artemisia, Taraxacum officinale, Prunus spinosa*	1., 2., 7., 8., 10., 11., 14.
287.	*Orthosia incerta* (Hufnagel 1766)	mesophilous	*Salix, Populus, Quercus, Betula, Vaccinium uliginosum, Vaccinium myrtillus, Prunus spinosa*	1., 2., 3., 4., 8., 10., 11., 14.
288.	*Orthosia miniosa* (Denis & Schiffermüller 1775)	mesophilous	*Acer, Fagus, Betula, Populus, Quercus*	3.
289.	*Orthosia opima* (Hübner 1809)	eurytopic	*Betula, Quercus, Salix, Alnus, Calluna, Vaccinium, Trifolium*	2., 3., 11.
290.	*Panolis flammea* (Denis & Schiffermüller, 1775)	mesophilous	*Pinus sylvestris, Picea*	9., 10.
291.	*Euplexa lucipara (*Linnaeus 1758)	mesophilous	*Epilobium, Lamium, Urtica, Salix, Pteridium, Betula, Salix*	6., 11.
292.	*Spodoptera exigua* (Hübner 1808)	xerothermophilous	*Asparagus, Beta vulgaris, Apium, Lactuca, Solanum tuberosum, Lycopersicon lycopersicum, Gossypium, Nicotiana*	9.
293.	*Agrochola lota* (Clerck 1759)	mesophilous-hygrophilous	*Salix, Populus, Alnus*	4.
294.	*Atethmia centrago* (Haworth 1809)	mesophilous	*Fraxinus*	2., 3., 4., 13.
295.	*Conistra erythrocephala* (Denis & Schiffermüller 1775)	mesophilous	*Carpinus, Fagus, Quercus, Ulex, Fragaria, Galium, Plantago*	2.
296.	*Conistra rubiginea* (Denis & Schiffermüller 1775)	mesophilous	*Prunus, Rosa, Salix, Rubus, Fragaria, Rumex, Taraxacum*	1., 11.

Systematic list of recorded species	Habitat preference	Host plants	Locality
297. *Conistra vaccinii* (Linnaeus 1761)	mesophilous	*Populus, Quercus, Betula, Ulmus, Malus, Ribes, Rubus, Prunus padus, Vaccinium*	1., 3., 6., 8., 11., 14.
298. *Trigonophora flammea* (Esper, 1785)	mesophilous-xerother-mophilous	*Ranunculus, Ligustrum vulgare, Fraxinus, Prunus, Chamaecytisus*	7.
299. *Cosmia affinis* (Linnaeus 1767)	mesophilous-hygrophilous	*Ulmus, Quercus*	1., 2., 3., 6., 14.
300. *Cosmia diffinis* (Linnaeus 1767)	mesophilous-hygrophilous	*Ulmus*	6.
301. *Cosmia pyralina* (Denis & Schiffermüller 1775)	mesophilous	*Betula, Populus, Quercus, Salix, Tilia, Ulmus, Pyrus*	6., 11., 13.
302. *Cosmia trapezina* (Linnaeus 1758)	mesophilous	*Quercus, Betula, Ulmus glabra, Corylus avellana, Prunus*	1., 6., 11., 14.
303. *Dryobotodes eremita* (Fabricius 1775)	mesophilous-xerother-mophilous	*Quercus*	1.
304. *Eupsilia transversa* (Hufnagel 1766)	mesophilous	*Betula, Corylus avellana, Quercus robur, Pyrus communis, Malus domestica*	1., 7., 14.
305. *Ipimorpha retusa* (Linnaeus 1761)	mesophilous-hygrophilous	*Alnus, Populus, Salix*	6.
306. *Ipimorpha subtusa* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Populus, Populus tremula, Malus, Pyrus, Salix*	6.
307. *Lithophane ornitopus* (Hufnagel 1766)	mesophilous-xerother-mophilous	*Quercus, Populus, Prunus padus, Salix*	7.
308. *Lithophane socia* (Hufnagel 1766)	mesophilous	*Fraxinus, Prunus, Quercus, Ulmus, Tilia*	7., 11., 14.
309. *Litophane semibrunnea* (Haworth 1809)	mesophilous-xerother-mophilous	*Fraxinus, Prunus, Quercus*	7.
310. *Mesogona oxalina* (Hübner 1803)	mesophilous-hygrophilous	*Alnus, Populus, Salix, Quercus*	2.
311. *Tiliacea sulphurago* (Denis & Schiffermüller 1775)	xerophilous	*Acer, Betula, Fagus, Quercus, Salix, Tilia, Fraxinus*	1.
312. *Colocasia coryli* (Linnaeus 1758)	mesophilous	*Betula, Alnus incana, Corylus avellana, Quercus, Salix, Populus, tremula, Malus domestica, Crataegus, Tilia, Acer, Fagus sylvatica*	3., 4., 6., 7., 8., 10., 11., 12., 13., 14.
313. *Chrysodeixis chalcites* (Esper 1789)	thermophilous	*Echium, Apium, Rubus*	9.
314. *Autographa gamma* (Linnaeus 1758)	eurytopic	*Urtica, Trifolium*	2., 3., 4., 6., 7., 8., 10., 11., 12., 13., 14.
315. *Macdunnoughia confusa* (Stephens 1850)	thermophilous	*Matricaria, Urtica dioica*	2., 3., 11.
Nolidae			
316. *Pseudoips prasinana* (Linnaeus 1758)	mesophilous	*Fagus, Quercus, Populus, Betula, Carpinus*	13., 14.
317. *Bena bicolorana* (Fuessly, 1775)	mesophilous	*Quercus robur, Fagus*	7., 9., 13.
318. *Earias clorana* (Linnaeus 1761)	mesophilous-hygrophilous	*Salix viminalis, Salix*	6., 14.
319. *Nyctaeola revayana* (Scopoli 1772)	mesophilous	*Quercus, Salix, Populus*	13., 14.
320. *Nyctaeola siculana* (Fuchs 1899)	hygrophilous	*Salix, Populus*	6., 7., 14.
321. *Nycteola asiatica* (Krulikovsky 1904)	hygrophilous	*Salix, Populus*	3.
322. *Meganola albula* (Denis & Schiffermüller 1775)	hygrophilous	*Mentha aquatica, Rubus, Rubus idaeus, Fragaria vesca*	6.
323. *Meganola togatulalis* (Hübner 1796)	mesophilous	*Quercus, Prunus spinosa*	3.
324. *Nola aerugula* (Hübner 1793)	hygrophilous	*Fragaria, Potentilla, Rubus, Betula, Trifolium , Lotus, Medicago*	4., 14.
325. *Nola cicatricalis* (Treitschke 1835)	mesophilous	lichens	1., 3., 10., 14.
326. *Nola confusalis* (Herrich-Schäffer 1847)	mesophilous	*Quercus, Fagus, Carpinus, Tilia, Crataegus*	6., 8.
327. *Nola cucullatella* (Linnaeus 1758)	xerothermophilous	*Prunus spinosa, Prunus domestica, Crataegus, Sorbus aucuparia, Quercus*	14.
Notodontidae			
328. *Spatalia argentina* (Denis & Schiffermuller, 1775)	mesophilous	*Quercus, Salix, Populus*	13.
329. *Harpyia milhauseri* (Fabricius, 1775)	mesophilous	*Quercus, Fagus, Betula, Carpinus*	6., 13.
330. *Stauropus fagi* (Linnaeus 1758)	mesophilous	*Fagus sylvatica, Quercus, Carpinus betulus, Tilia, Corylus, Betula, Crataegus, Malus*	3., 6., 7.
331. *Dicranura ulmi* (Denis & Schiffermüller 1775)	mesophilous	*Ulmus*	2., 11., 14.
332. *Furcula furcula* (Clerck 1759)	mesophilous	*Betula, Populus tremula, Salix caprea, Populus, Salix*	3., 6., 7., 8., 10., 14.
333. *Drymonia dodonaea* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Fagus, Betula*	8.
334. *Drymonia ruficornis* (Hufnagel 1766)	xerothermophilous	*Quercus*	1., 3., 6., 11., 12., 14.

Systematic list of recorded species	Habitat preference	Host plants	Locality
335. *Notodonta tritophus* (Denis & Schiffermüller 1775)	mesophilous-hygrophilous	*Populus tremula, Populus, Salix, Betula*	3.
336. *Pheosia tremula* (Clerck 1759)	mesophilous	*Populus, Populus tremula, Populus canadensis, Salix, Betula*	7.
337. *Pterostoma palpina* (Clerck 1759)	mesophilous	*Populus, Salix, Populus tremula, Tilia, Alnus, Quercus*	3., 6., 7.
338. *Ptilodon capucina* (Linnaeus 1758)	mesophilous	*Betula, Alnus, Salix, Tilia, Quercus, Populus tremula*	8., 12., 13., 14.
339. *Ptilodon cucullina* (Denis & Schiffermüller 1775)	mesophilous	*Acer campestre, Acer pseudoplatanus, Quercus, Ulmus*	3., 6., 11., 12., 13., 14.
340. *Peridea anceps* (Goeze 1781)	mesophilous	*Quercus, Betula, Fagus*	1., 6., 7., 11., 14.
341. *Phalera bucephaloides* (Ochsenheimer 1810)	xerothermophilous	*Quercus*	1.
342. *Clostera anastomosis* (Linnaeus 1758)	mesophilous	*Salix, Populus, Populus tremula*	2., 3.
343. *Clostera curtula* (Linnaeus 1758)	mesophilous	*Populus, Salix*	4., 7., 11.
344. *Clostera pigra* (Hufnagel 1766)	mesophilous	*Salix aurita, Salix repens, Populus tremula, Populus*	3.
Oecophoridae			
345. *Harpella forficella* (Scopoli 1763)	mesophilous	*Quercus*	6.
Peleopodidae			
346. *Carcina quercana* (Fabricius 1775)	mesophilous	*Quercus, Fagus, Pyrus, Malus, Castanea sativa, Acer pseudoplatanus, Crataegus, Sorbus*	13.
Psychidae			
347. *Megalophanes viciella* (Denis & Schiffermüller 1775)	mesophilous	*Vicia, Rumex, Scirpus, Calluna vulgaris, Betula pubescens, Stachys palustris, Vaccinium uliginosum*	14.
348. *Sterrhopterix fusca* (Haworth 1809)	mesophilous	Gramineae, *Quercus, Crataegus, Salix, Betula, Calluna vulgaris, Erica*	8.
Pterophoridae			
349. *Amblyptilia acanthadactyla* (Hübner 1813)	mesophilous	*Stachys, Salvia, Euphrasia, Ononis, Chenopodium*	5., 11., 14.,
350. *Cnaemidophorus rhododactyla* (Denis & Schiffermüller 1775)	mesophilous	*Rosa canina*	11., 14.
351. *Crombrugghia distans* (Zeller 1847)	mesophilous	*Crepis, Hieracium, Picris, Sonchus*	5.
352. *Emmelina monodactyla* (Linnaeus 1758)	xerothermophilous	*Convolvulus arvensis, Calystegia, Atriplex*	9.
353. *Pterophorus pentadactyla* (Linnaeus 1758)	xerothermophilous	*Convolvulus arvensis, Prunus spinosa, Trifolium, Anemone, Calystegia sepium*	3., 6., 13.
Pyralidae			
354. *Acrobasis tumidana* (Denis & Schiffermüller 1775)	mesophilous	*Quercus*	6.
355. *Euzophera pinguis* (Haworth 1811)	mesophilous	*Fraxinus excelsior*	2.
356. *Homoeosoma sinuella* (Fabricius 1794)	mesophilous	*Plantago lanceolata*	3., 6., 14.
357 *Nephopterix angustella* (Hübner 1796)	mesophilous	*Euonymus europaeus*	1., 12.
358. *Oncocera semirubella* (Scopoli 1763)	mesophilous	*Lotus corniculatus, Trifolium repens, Medicago sativa, Ononis arvensis*	1., 3., 6., 14
359. *Pempelia palumbella* (Denis & Schiffermüller 1775)	mesophilous	*Calluna vulgaris, Erica tetralix, Helianthemum, Thymus, Polygala vulgaris*	11.
360. *Phycita roborella* (Denis & Schiffermüller 1775)	mesophilous	*Quercus*	1., 14.
361. *Trachonitis cristella* (Denis & Schiffermüller 1775)	mesophilous	*Prunus spinosa, Pyrus, Euonymus europaeus, Betula*	14.
362. *Endotricha flammealis* (Denis & Schiffermüller 1775)	mesophilous	*Quercus spp., Salix spp., Lotus, Agrimonia, Vaccinum spp.*	1., 6.
363. *Hypsopygia costalis* (Fabricius 1775)	synanthropic	detritus	3., 9., 14.
364. *Hypsopygia glaucinalis* (Linnaeus 1758)	mesophilous	detritus	2.
365. *Pyralis farinalis* (Linnaeus 1758)	synanthropic	detritus	4.
366. *Pyralis regalis* Denis & Schiffermüller 1775	mesophilous	*Rosa, Quercus, Salix spp.*	1., 2., 3., 6., 14.
367. *Stemmatophora brunnealis* (Treitschke 1829)	xerothermophilous	In silk tubes at base of low plants, including Helianthemum, Globularia & Epilobium	3.
Saturniidae			
368. *Aglia tau* (Linnaeus 1758)	mesophilous	*Fagus*	11., 14.
369. *Saturnia pavoniella* (Scopoli 1763)	mesophilous	*Rubus, Prunus, Crataegus, Quercus, Carpinus, Betula, Salix, Erica, Calluna, Filipendula*	2., 3.

Systematic list of recorded species	Habitat preference	Host plants	Locality
370. *Saturnia pyri* (Denis & Schiffermüller 1775)	mesophilous	*Malus, Pyrus, Prunus, Arbores fructiferae, Prunus avium*	7., 8., 11.
Sphingidae			
371. *Deilephila porcellus* (Linnaeus 1758)	mesophilous	*Galium mollugo, Galium verum*	6., 7.
372. *Laothoe populi* (Linnaeus 1758)	mesophilous-hygrophilous	*Populus tremula, Populus balsamifera, Populus alba, Populus nigra*	3., 7.
373. *Marumba quercus* (Denis & Schiffermüller, 1775)	xerothermophilous	*Quercus*	6.
374. *Mimas tiliae* (Linnaeus 1758)	mesophilous	*Tilia*	6., 8., 12.
375. *Smerinthus ocellata* (Linnaeus 1758)	mesophilous-hygrophilous	*Salix*	6.
376. *Argius convolvuli* (Linnaeus 1758)	eurytopic	*Convolvulus arvensis, Convolvulus, Calystegia sepium*	9.
377. *Macroglossum stellatarum* (Linnaeus, 1758)	eurytopic	*Galium verum, Galium silvaticum, Galium mollugo*	4., 6., 7.
Torticidae			
378. *Ancylis mitterbacheriana* (Denis & Schiffermüller 1775)	xerothermophilous	*Quercus, Fagus, Malus*	13.
379. *Epiblema foenella* (Linnaeus 1758)	xerothermophilous	*Artemisia vulgaris*	2.
380. *Eucosma cana* (Haworth 1811)	xerothermophilous	*Cirsium oleraceum, Carduus spp.*	11.
381. *Notocelia cynosbatella* (Linnaeus 1758)	eurytopic	*Rosa, Malus, Pyrus, Prunus, Crataegus, Carpinus, quercus*	2., 4., 11.
382. *Notocelia uddmanniana* (Linnaeus 1758)	mesophilous	*Rubus*	3., 5., 14.
383. *Rhyacionia buoliana* (Denis & Schiffermüller 1775)	mesophilous	*Pinus sylvesris*	14.
384. *Cydia pomonella* (Linnaeus 1758)	mesophilous	*Malus, Cydonia, Prunus persica, P. domestica, Sorbus aucuparia, Armeniaca vulgaria, Castanea, Juglans*	14.
385. *Celypha lacunana* (Denis & Schiffermüller 1775)	mesophilous	*Mentha, Artemisia, Inula, Chrysanthemum, Sanguisorba, Ononis, Epilobium, Ranunculus, Caltha palustris, Filipendula, Spiraea, Sorbus, Prunus cerasus, Fragaria, Rubus, Ligustrum, Fagus, Urtica, Salix, Betula, Larix, Abies alba, Pteridium aquilinum*	6.
386. *Celypha striana* (Denis & Schiffermüller 1775)	mesophilous	*Taraxacum oficinale, Plantago lanceolata*	6.
387. *Hedya pruniana* (Hübner 1799)	mesophilous	*Prunus spiniosa, P. divaricata, Crataegus, Rosa spp., Sorbus, Corylus avellana, malus, Pyrus, Prunus*	6., 11., 14.
388. *Hedya salicella* (Linnaeus 1758)	mesophilous-hygrophilous	*Salix caprea, Populus tremula, P. nigra*	14.
389. *Archips crataegana* (Hübner 1799)	mesophilous	*Betula, Tilia, Crataegus, Pyrus, Salix, Populus, Prunus, Quercus*	3.
390. *Archips podana* (Scopoli 1763)	mesophilous	*Corylus, Fagus, Malus, Pyrus, Rosa, ribes, Vaccinium, Trifolium, Picea*	3., 8., 11.
391. *Archips rosana* (Linnaeus 1758)	mesophilous	*Malus, Pyrus, Ligustrum*	5., 11., 14.
392. *Archips xylosteana* (Linnaeus 1758)	mesophilous	*Acer, Crataegus, Betula, Lonicera, Pyrus, Malus*	5., 14.
393. *Syndemis musculana* (Hübner 1799)	mesophilous	*Srbus, Rubus, Prunus, Padus, Crataegus, Betula, tilia, salix, Quercus, Picea, Larix*	4., 6., 8., 11., 13., 14.
394. *Tortricodes alternella* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Carpinus, Betula, SAlix, Corylus, Crataegus, Prunus*	14.
395. *Agapeta zoegana* (Linnaeus 1767)	mesophilous	*Scabiosa columbaria, Jurinea, Centaurea panniculata, C. nigra, C. jacea*	3.
396. *Acleris ferrugana* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Fagus, Carpinus, Betula, Salix caprea*	6.
397. *Acleris rhombana* (Denis & Schiffermüller 1775)	mesophilous	*Quercus, Corylus avellana, Crataegus, Prunus, Pyrus, Rosa, Sorbus aucuparia*	3.
398. *Aleimma loeflingiana* (Linnaeus 1758)	mesophilous	*Quercus*	11., 14.
399. *Tortix viridana* Linnaeus 1758	xerothermophilous	*Quercus robur, Q. pubescens, Q. petrarea*	4., 14.
Yponomeutidae			
400. *Yponomeuta cagnagella* (Hübner 1813)	mesophilous	*Euonymus europaeus, Frangula alnus*	6., 8.
401. *Yponomeuta padella* (Linnaeus 1758)	xerothermophilous	*Prunus spinosa, Crataegus, Prunus*	14.
Ypsolophidae			
402. *Ypsolopha mucronella* (Scopoli 1763)	mesophilous	*Euonymus europaeus*	1., 3., 14.
403. *Ypsolopha sequella* (Clerck 1759)	mesophilous	*Acer campestre, Acer pseudoplatanus*	1.

*Species identified on the basis of genitalia examination.