

GORTANIA - Atti Museo Friul. di Storia Nat.	27 (2005)	137-226	Udine, 31.XII.2006	ISSN: 0391-5859
---	-----------	---------	--------------------	-----------------

P. HUEMER, C. MORANDINI

WETLAND HABITATS IN FRIULI VENEZIA GIULIA: RELICT AREAS OF BIODIVERSITY FOR LEPIDOPTERA

HABITAT UMIDI IN FRIULI VENEZIA GIULIA: BIODIVERSITÀ NEI LEPIDOTTERI DI AREE RELITTE

Abstract - 1.314 species of Lepidoptera are recorded for the fauna of 18 Natura 2000 sites in Friuli Venezia Giulia, most of them associated with wetland habitats. Further 81 species are based on older data. The species inventory includes several remarkable records to Italy including new faunistic data, species new to science and endangered and protected species which are reviewed exemplarily. The significance of each biotope for Lepidoptera is discussed in some detail.

Key words: Lepidoptera, Wetland habitats, Faunistics, Italy, Friuli Venezia Giulia.

Riassunto breve - *In questo lavoro sono state censite 1.314 specie di Lepidotteri rinvenute in 18 siti di Natura 2000 del Friuli Venezia Giulia, molti dei quali associati alla presenza di zone umide. Ulteriori 81 specie vengono inoltre segnalate sulla base di dati storici. L'elenco delle specie comprende molte segnalazioni notevoli per l'Italia con dati faunistici inediti, specie nuove per la scienza e specie minacciate e tutelate che sono state esaminate singolarmente. Il valore di ciascun biotopo per quel che riguarda i Lepidotteri è stato discusso dettagliatamente.*

Parole chiave: *Lepidoptera, Ambienti umidi, Dati faunistici, Italia, Friuli Venezia Giulia.*

Introduction

Wetland areas are increasingly threatened all over Europe and such habitats are therefore considered of particular value for the conservation of a peculiar fauna and flora. Thus, many of such biotopes are nowadays protected within the European conservation network "Natura 2000" all over the continent. The Autonomous Region Friuli Venezia Giulia has nominated several relict wetland sites, mainly situated in the dealpine lowland of the Po plain. Despite of this legal obligation, until recently the scientific background about the protected areas was very low. Therefore the Museo Friulano di Storia Naturale (Udine) initiated a survey about various faunistic components characteristic for 18 Natura 2000 sites, most of them related to moors and fens. Butterflies and moths as key organisms for terrestrial habitats were selected as one of the important groups for this monitoring

programme. Beside Lepidoptera, the following taxonomical groups have been studied in some detail: Mollusca, Crustacea, Ephemeroptera, Plecoptera, Odonata, Orthoptera and Coleoptera. The species diversity of Lepidoptera within the 18 biotopes was studied between 2001 and 2003. Further interesting observations were made by various lepidopterists in the surrounding of the biotopes in earlier years.

The present paper primarily deals with the faunistic results of the study. However, some of the new country records and species new to science have been published separately (HUEMER & KAILA, 2003; HUEMER et al., 2005; HUEMER & NUSS, 2006) and further undescribed and/or taxonomically disputed taxa will be treated in forthcoming papers. The part of the research dealing with conservation aspects is available as an unpublished report (COMUNE DI UDINE - MUSEO FRIULANO DI STORIA NATURALE, 2003).

Material and methods

The present survey gives an overview about research activities in altogether 18 Natura 2000 sites, which are distributed from the alpine region of Friuli Venezia Giulia in the North to the Adriatic coast in the South, ranging from 1 m s.l. to about 1500 m s.l. (tab. I). The size of the biotopes ranges from 4.4 to 80 ha, the majority between about 10 and 30 ha. Most of the localities are characterized by hygrophilous vegetation with the exception of Magredi di San Quirino (1) which is dominated by xerophilous grassland. However, in some of the biotopes mesophilous to xerophilous grassland is present beside humid meadows, peat-bogs and furthermore various types of forests are important for local species diversity.

A survey of the complete fauna of Lepidoptera within the 18 sites would have been an impossible task due to limited resources. Therefore the study intended to sample a site-characteristic set of species during the spring and summer months. Field work was undertaken during the vegetation period 2001 by P. Huemer and C. Morandini, partially with co-researchers (S. Erlebach, G. Governatori, L. Morin) and each of the protected sites was visited for one day and one night excursion respectively (apart from two excursions - due to bad weather conditions). A working group initiated by the Museo Friulano di Storia Naturale (C. Morandini, B. Infanti, M. Lasan) undertook at least two further day and two night excursions within each site between 2001 and 2002. Altogether 143 excursions (either day or night) were undertaken. Almost all samples were taken between April and September, thus during the main vegetation period. Additionally, older records of species from the immediate surrounding areas of the biotopes, rarely from the sites itself, and mainly collected between 1985 and 2000, are listed in the species inventory. However, these additional records are not considered in the analysis, except for the summarizing overview about chorology and ecotypes.

The methods used in this study included several collecting techniques. A particular

nr	locality	community, province	elevation	UTM	size	habitat
1	Magredi di San Quirino	San Quirino, PN	102	UM20 UL29	20 ha	dry meadow
2	Palude di Fontana Abisso	Buia, UD	163	UM51	9.7 ha	humid meadow, bog
3	Palude Fraghis	Porpetto, UD	8	UL68	22.7 ha	<i>Phragmitetum</i> , bog, forest
4	Paludi del Corno	Gonars-Porpetto, UD	15-16	UL68	50.8 ha	bog, forest
5	Torbiera Scichizza	Tarvisio, UD	842-844	UM94	9.9 ha	humid meadow, bog, coniferous forest
6	Torbiera di Sequals	Sequals, PN	190-200	UM31	9.6 ha	humid meadow, bog, forest
7	Torbiera di Casasola	Majano, UD	160-162	UM51	42 ha	humid meadow, bog, forest
8	Prati di Col San Floreano	Rive d'Arcano, UD	180	UM41 UM51	35 ha	humid and dry meadow
9	Palude di Cima Corso	Ampezzo, UD	839	UM24	7.5 ha	bog, forest
10	Torbiera di Pramollo	Pontebba, UD	1510-1518	UM65	4.4 ha	bog, coniferous forest
11	Torbiera di Lazzacco	Moruzzo-Pagnacco, UD	184-192	UM51	15.8 ha	humid meadow, bog, forest
12	Risorgive di Flambro	Talmassons, UD	21-22	UL58	71 ha	bog, forest
13	Torbiera di Curedi	Tolmezzo, UD	851-874	UM44	13 ha	bog
14	Risorgive di Zarnicco	Rivignano, UD	13	UL48 UL58	47 ha	bog, forest
15	Palude del Fiume Cavana	Monfalcone, GO	0-1	UL87	40 ha	<i>Phragmitetum</i> , forest, halophytic vegetation
16	Risorgive di Virco	Bertiolo-Talmassons, UD	23	UL58	80 ha	bog, forest
17	Prati umidi di Quadris	Fagagna, UD	171	UM51	21.5 ha	bog, forest
18	Torbiera di Borgo Pegoraro	Moruzzo, UD	185	UM50 UM51	28.4 ha	bog, forest

Tab. I - Main characteristics of the investigated localities.
- *Principali caratteristiche delle località indagate.*

emphasis was devoted to the registration of night active species. The sampling was based on artificial light sources which are known to attract a high number of species. Both illuminated white sheets (mercury-vapour lamp 125 W) and blue light-towers (superactinic tube 15 W) were used simultaneously. Considering the rather high state of knowledge about ecology and biology of single species this method proved very well suitable for a faunistic survey and in consequence the assessment of the ecological value of Lepidoptera in the area of the wetland

habitats. Furthermore night active species were attracted by sugaring (red wine mixed with sugar) on some occasions. Diurnal species were observed or collected with classical methods, mainly the usage of a butterfly net. Furthermore visual search for larvae and adults hidden in the vegetation were added to the results.

Voucher specimens of most of the species treated within this work are deposited in the collections of the Museo Friulano di Storia Naturale (Udine) and partially the Tiroler Landesmuseum Ferdinandeum (Innsbruck) and private collectors mentioned above. Primary data processing was undertaken with the programme Lepidat. Altogether about 7.700 data during the recent research period and a further 1.700 older data were sampled.

Results

Species diversity - faunistical and ecological aspects

From late spring to early autumn 2001 and 2002 altogether 1.314 species of Lepidoptera have been observed in the 18 Natura 2000 sites (tab. IV). Further 81 species records are based on older data (not considered in statistical analysis), mainly from the surroundings of today's biotopes. 63 families of Lepidoptera are present in the investigated area.

The species diversity shows a considerable variation from site to site and ranges from the 117 observed species at Torbiera di Casasola to the 409 species at Torbiera di Curiedi (fig. 1). However, despite of a high species diversity the population density of most species has to be regarded as low with average numbers of only about 2-3 observed specimens per species and site. This observation is presumably based on negative effects from intensive agriculture such as the usage of insecticides and herbicides nearby of some biotopes but also from the strong human impact within several biotopes. Despite of this negative influence, all biotopes are still inhabited by rare and endangered species which are missing in vast areas of the plains and the value of isolated sites within the agricultural landscape is still high.

Of high scientific value are several species new to science! 4 out of them have been described meanwhile or the description is already in press. Particularly Magredi di San Quirino is of outstanding value with populations of *Trifurcula trasaghica*, *Apatetris* sp. A, *Megacraspedus* sp. and *Stenoptilia mariaeluisae*. The recently described *Elachista morandinii* was collected at site Torbiera di Curiedi and *Acrobasis foroiuliensis* at sites Paludi del Corno, Risorgive di Flambro and Risorgive Zarnicco.

The faunal composition is furthermore most valuable due to several new records for Italy, most of them already published separately (HUEMER, MORANDINI & MORIN, 2005). The highest number of new records was observed at Magredi di San Quirino (4 spp.) and Torbiera di Sequals (3 spp.) whereas no new records came from biotopes 7, 10-12 and 15-17. Some of the species such as *Arytrura musculus* are missing in vast areas of central and southern Europe and are to

be considered of particular interest. Some species such as *Blastobasis huemeri*, *Gelechia muscosella*, *Monochroa suffusella*, *Syncopacma captivella* and *Eucosma scorzonera* have been published for the Italian fauna only very recently (ELSNER et al., 1999; HUEMER & KARSHOLT, 1999; HUEMER, 2001; TREMATERRA & SCIARRETTA, 1998). *Pseudatemelia elsa*, *Ancylis subarcuana* and *Stenoptilia succisae* have not been recorded from Italy yet, though the first two species have been found in other areas of Friuli Venezia Giulia as well (DEUTSCH, 2006; Huemer, unpubl. records). Furthermore *Batrachedra parvulipunctella* and *Chilo luteellus* are for the first time recorded for the northern part of Italy.

The chorological spectrum (after VIGNA TAGLIANTI et al., 1992) proves that a majority of altogether 67% of the species inventory is widely distributed over the Holarctic, Palearctic or large parts of the European-Asian continents. 27% of the species are European, 2% Mediterranean, 2% Cosmopolitical/Subcosmopolitical, 1% Afrotropical-Mediterranean and 1% Endemic (Italian). The number of species per chorotype is highest within the Siberian-European type which includes 338 spp., followed by species with a wide European and Asian distribution with 189 spp.. Holarctic, Palearctic and W-Palearctic species are well represented with altogether 269 spp.. Further 261 species are regarded as widely distributed in Europe and further 66 in S-Europe. The remaining chorotypes are represented in moderately low species numbers only (tab. II).

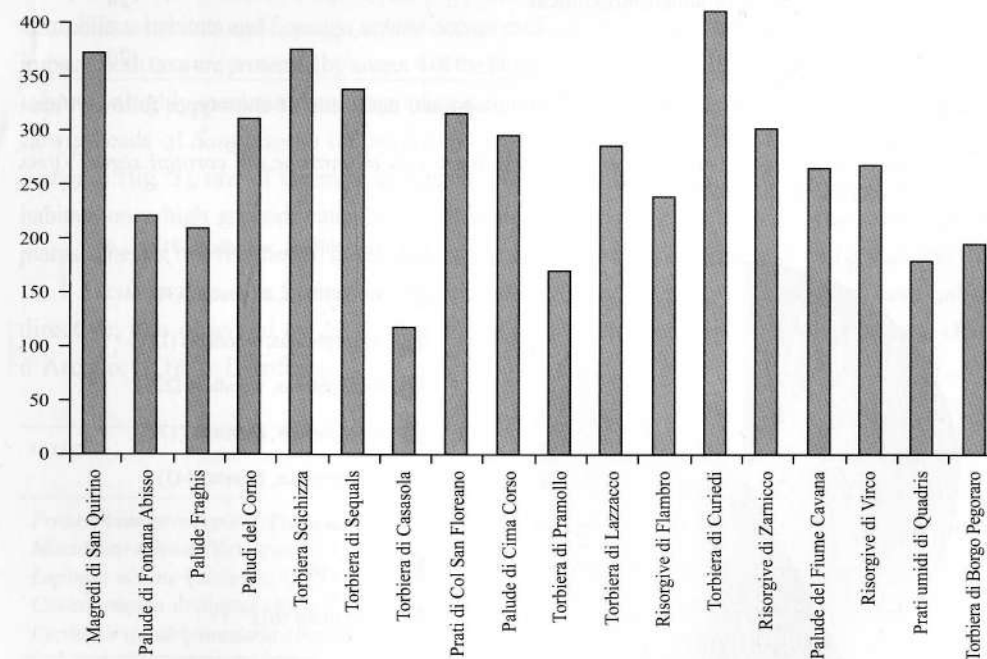


Fig. 1 - Number of species per site.
- Numero di specie per località.

Code	Chorotype	Number sp.
1,01	Holarctic	89
1,02	Palaearctic	103
1,03	W-Palaearctic	78
1,04	Asiatic-European	189
1,05	Siberian-European	338
1,06	Centralasiatic-European-Mediterranean	23
1,07	Centralasiatic-European	34
1,08	Centralasiatic-Mediterranean	12
1,09	Turanic-European-Mediterranean	19
1,10	Turanic-European	40
1,11	Turanic-Mediterranean	3
1,12	European-Mediterranean	20
2,01	European	261
2,03	Centraleuropean	29
2,04	S-European	66
2,05	W-European	2
3,01	Mediterranean	19
3,02	W-Mediterranean	2
3,03	E-Mediterranean	7
4,01	Afrotropical-Indian-Mediterranean	8
4,02	Afrotropical-Mediterranean	2
B	Cosmopolitical or subcosmopolitical	24
C	Endemic (Italy)	7
D	Others (unknown)	20

Tab. II - Number of species per chorotype (terminology and definition of chorotypes follows VIGNA TAGLIANTI et al., 1992).
 - Numero di specie per corotipo (la terminologia e la definizione dei corotipi segue VIGNA TAGLIANTI et al., 1992).

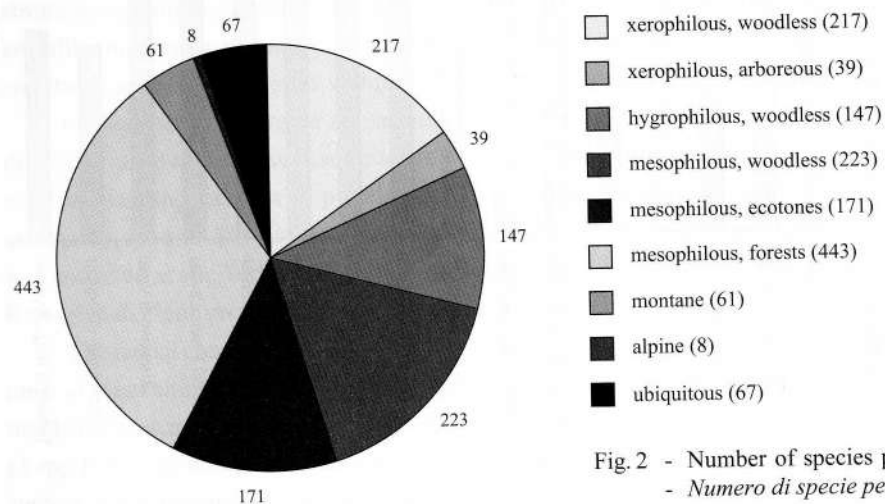


Fig. 2 - Number of species per ecotype.
 - Numero di specie per ecotipo.

Mainly responsible for the richness of species is the wide range of habitats represented at the different sites. These habitats are well reflected by a set of characteristic ecotypes, again with a high variation between the various sites (fig. 2). Hygrophilous species are of particular and outstanding conservation value, being rare and very local in the Po plain outside of the biotopes. Altogether 147 spp. (10.7% of the species inventory) are closely related to wetland habitats. However, by far the majority of the species composition develops in woodland or related habitats with 438 spp. (32.3%) from arboreous habitats and 171 spp. (12.5%) from ecotones. Mesophilous species from woodless habitats with 223 spp. (16.3%) are a further important ecological group. Xerophilous species from woodless landscape and from arboreous habitats are usually not represented in higher numbers with the important exception of Magredi di San Quirino. Altogether 256 species (18.6%) are regarded as xerophilous. Ubiquitous taxa (67 spp., 4.9%) are regularly represented in all biotopes whereas alpine and montane Lepidoptera (64 spp., 4.9%) are almost exclusively restricted to habitats at higher elevation, namely Torbiera Scichizza, Palude di Cima Corso, Torbiera di Pramollo and Torbiera di Curiedi.

The occurrence of 5 Lepidoptera which are protected by annex 2 and/or 4 of the fauna-flora-habitat directive of the E.U. (tab. III) is regarded as important conservational aspect. *Euplagia quadripunctaria* is a characteristic species of ecotones and the only member of Lepidoptera which is a priority species according to the E.U. directives. *Proserpinus proserpina* is restricted to xerophilous habitats and *Lopinga achine* occurs exclusively in woodland areas with limited human impact. Both taxa are protected by annex 4 of the fauna-flora-habitat directive (92/43/CEE). *Maculinea teleius* is a highly specialized myrmecophagous butterfly with parts of the larval development in the flower-heads of *Sanguisorba officinalis* and later in the nests of *Myrmica* spp.. *Coenonympha oedippus* (fig. 3), one of the most endangered butterflies in Europe, lives preferably in wetland habitats on a high ground water level and stands of various Poaceae and Cyperaceae as host-plants. The last two mentioned species are protected by annex 2 of the fauna-flora-habitat directive.

Lycaena dispar, a further species included in annex 2 and 4 of the fauna-flora-habitat directive, was observed on 29. 6.1991 in the area of Rivatte, near Col San Floreano (Rive d' Arcano, UD), by B. Infanti.

taxon	site number													annex
	1	3	4	5	8	9	11	12	14	15	16	17		
<i>Proserpinus proserpina</i> (PALLAS, 1772)	x									x			4	
<i>Maculinea teleius</i> (BERGSTRÄSSER, 1779)		x			x		x					x	2, 4	
<i>Lopinga achine</i> (SCOPOLI, 1763)				x		x							4	
<i>Coenonympha oedippus</i> (FABRICIUS, 1787)			x		x			x	x		x	x	2, 4	
<i>Euplagia quadripunctaria</i> (PODA, 1761)		x	x	x									2	

Tab. III - Species protected by annex 2 and 4 of the fauna-flora-habitat directive.
 - Specie presenti negli allegati 2 e 4 della Direttiva Habitat 92/43/CEE.

Faunistically remarkable species

The following chapter deals with some particularly rare or locally distributed species which are however, treated item by item. Further examples may be found in tab. IV. Beside of general information to the distribution, the ecology and conservation status of the selected species is discussed in some detail. Records include the number of observed specimens in brackets.

Trifurcula trasaghica LASTUVKA & LASTUVKA, 2005 (Nepticulidae)

General distribution: Italy.

Regional distribution: only known from the Region Friuli Venezia Giulia (Trasaghis, Magredi di San Quirino).

Ecology/conservation: according to the original description the larva has been found feeding in a gallery inside the stem of *Corothamnus decumbens* (Fabaceae), a plant missing in Italy. It seems to be restricted to river alluvials and xerothermophilous or subxero-thermophilous herbaceous and shrub communities (LASTUVKA & LASTUVKA, 2005). According to present knowledge the conservation status cannot be defined with certainty. However, considering the limited number of known localities the species is probably threatened.

Records: Magredi di San Quirino, 29.4.2001 (2), 10.6.2001 (1).

Batrachedra parvulipunctella CHRÉTIEN, 1915 (Batrachedridae)

General distribution: Mediterranean region, from Spain to Greece.

Regional distribution: firstly recorded for the northern part of Italy.

Ecology/conservation: *B. parvulipunctella* is a monophagous species of *Phragmites australis*. Despite of the widely distributed host-plant it has not been recorded from large areas and also in the Friulian biotopes it is very locally distributed. The conservation status cannot be decided from the available data but it is likely to be endangered.

Records: Palude del Fiume Cavana, 14.8.2001 (11), 20.8.2002 (3); Palude Fraghis, 15.8.2001 (2).

Pseudatemelia elsae SVENSSON, 1982 (Amphisbatidae)

General distribution: boreomontane species with isolated central European localities. New record for Italy, but recently also found in the Prealpi Giulie.

Regional distribution: only known from Palude di Cima Corso.

Ecology/conservation: the biology of this species is grossly unknown but it seems to prefer sandy areas within pine forests. The larval biology is completely unknown, species of the genus feed on decaying leaves. The conservation status cannot be decided for the moment but probably *P. elsae* is somewhat endangered due to the restricted size of the habitat.

Record: Palude di Cima Corso, 12.7.2001 (1).

Elachista morandinii HUEMER & KAILA, 2003 (Elachistidae)

General distribution: north-eastern Italy and Hungary, known from two localities only!

Regional distribution: only known from the type-locality Torbiera di Curiedi.

Ecology/conservation: the biology is grossly unknown but from the collecting data *E. morandinii* is restricted to the wet parts of Torbiera di Curiedi with stands of *Eriophorum* and sedges (HUEMER & KAILA, 2003). Because of the human impact in the immediate surrounding the population has to be regarded as critically endangered.

Remarks: species described from material collected within the monitoring programme.

Records: Torbiera di Curiedi, 11.7.2001 (20).

Apatetris sp. A (Gelechiidae)

General distribution: Italy. Only known from the upper friulian plain.

Regional distribution: north-eastern Italy. Only known from Magredi di San Quirino.

Ecology/conservation: the biology is unknown but probably the species is restricted to xerophilous habitats. Probably the populations are endangered but presently the lack of biological data prevents from a final decision.

Remarks: species new to science! Despite of the lack of a thorough generic revision the material from Magredi undoubtedly belongs to a new species. At the moment it is only known from this area and may even be an endemism.

Records: Magredi di San Quirino, 29.4.2001 (2).

Apatetris sp. B (Gelechiidae)

General distribution: Italy and Corse.

Regional distribution: north-eastern Italy. Only known from a few specimens collected in Gorizia and Veneto (Valle Vecchia, Caorle, Venezia).

Ecology/conservation: host-plant and early stages are unknown but most likely this species is restricted to wetland and/or halophytic habitats. Probably this species is endangered due to anthropogenic influence but pending on the lack of data a reliable assessment of risks is not possible.

Remarks: most likely a species new to science! of the generic attribution is tentative and the species may even belong to a new genus.

Record: palude del Fiume Cavana, 14.8.2001 (1).

Megacraspedus sp. (Gelechiidae)

General distribution: north-eastern Italy. Only known from a few specimens collected in the area of San Quirino.

Regional distribution: north-eastern Italy. Only known from Magredi di San Quirino.

Ecology/conservation: host-plant and early stages are unknown but most likely this species is restricted to dry meadows (magredi). The human threats cannot be assessed with certainty due to the lack of ecological data.

Remarks: probably a species new to science! However, the whole genus is in strong need of revision.

Records: Magredi di San Quirino, 10.6.2001 (2).

Monochroa lulentella (ZELLER, 1839) (Gelechiidae)

General distribution: northern and central Europe to Armenia in the south-east. Newly recorded for Italy (HUEMER et al., 2005).

Regional distribution: only known from a few localities in Friuli Venezia Giulia but may be more widely distributed in the north.

Ecology/conservation: the larva feeds in the roots of *Filipendula ulmaria* and the species is restricted to wetland habitats. Its conservation state has to be regarded with some doubts but at least it is vulnerable in the region.

Records: Magredi di San Quirino, 10.6.2001 (1); Palude di Fontana Abisso, 14.6.2001 (1), 30.6.2002 (1); Palude Fraghis, 22.6.2001 (1); Torbiera di Borgo Pegoraro, 13.6.2001 (2); Torbiera di Sequals, 20.7.2002 (1).

***Monochroa palustrella* (DOUGLAS, 1850) (Gelechiidae)**

General distribution: locally recorded in parts of northern and central Europe extending into European Russia in the east. Newly recorded for Italy (HUEMER et al., 2005).

Regional distribution: only known from few localities in Friuli Venezia Giulia and Veneto.

Ecology/conservation: highly specialized species with trophic linkage to *Rumex* spp., particularly *R. hydrolapathum*. The larva preferably feeds in the stem and root-stock of the host-plant. Taking into account the limited distribution and the specialization, *M. palustrella* is regarded as critically endangered in the whole region.

Records: Paludi del Corno, 15.8.2001 (1); Magredi di San Quirino, 31.8.2002 (1).

***Monochroa moyses* UFFEN, 1991 (Gelechiidae)**

General distribution: known from a few localities in north-western Europe. According to recent investigations also distributed in parts of the Mediterranean.

Regional distribution: only known from a few localities in Friuli Venezia Giulia, Veneto, Emilia Romagna and Basilicata. Not identified to species level in the Italian Checklist (MINELLI et al., 1995).

Ecology/conservation: halophytic species with a strong trophic linkage to *Bolboschoenus maritimus*. Probably *M. moyses* is endangered due to anthropogenic influence but pending on the lack of data a reliable assessment of risks is not possible.

Record: Paludi del Corno, 15.8.2001 (1).

***Monochroa suffusella* (DOUGLAS, 1850) (Gelechiidae)**

General distribution: northern Europe, with a few isolated localities in central Europe. Newly recorded for Italy (HUEMER et al., 2005).

Regional distribution: only known from few localities in Friuli Venezia Giulia.

Ecology/conservation: highly specialized species which is probably exclusively feeding on *Eriophorum* and hence restricted to bogs. The conservation status cannot be decided finally due to lack of data, but undoubtedly the species is at least endangered in Italy.

Records: Palude Fraghis, 22.6.2001 (2), 15.8.2001 (1); Paludi del Corno, 27.6.2001 (1).

***Gelechia muscosella* ZELLER, 1839 (Gelechiidae)**

General distribution: large parts of Europe becoming scarce towards the South, extending far into Asia and also recorded from the Far East.

Regional distribution: recently found in a number of localities in the north of Italy, from Trentino-Alto Adige to Friuli Venezia Giulia. Probably more widely distributed.

Ecology/conservation: characteristic species of humid forests with stand of the hostplant *Salix* spp. or rarely *Populus* spp. Probably the species is not endangered in Italy.

Records: Palude di Fontana Abisso, 14.6.2001 (1); Prati umidi di Quadris, 12.6.2001 (1); Torbiera di Lazzacco, 13.6.2001 (1); Torbiera Scichizza, 16.8.2001 (1), 12.7.2002 (2).

***Scrobipalpa halonella* (HERRICH-SCHÄFFER, 1854) (Gelechiidae)**

General distribution: a very rare and local species which is restricted to a few localities in eastern central Europe. Newly recorded for Italy (HUEMER et al., 2005).

Regional distribution: only known from a single locality (Magredi di San Quirino).

Ecology/conservation: the larva is a leaf-miner in *Artemisia* spp. and *Centaurea scabiosa*. The xerophilous species is exclusively found in dry grassland. Its conservation state in Italy is uncertain but it is here regarded as endangered taking into account the limited distribution and the human impact on the habitat.

Records: Magredi di San Quirino, 29.4.2001 (2).

***Syncopacma vinella* (BANKES, 1898) (Gelechiidae)**

General distribution: local records from Great Britain through parts of northern and central Europe and the Ukraine in the east. Newly recorded for Italy (HUEMER et al., 2005).

Regional distribution: only known from some localities in Friuli Venezia Giulia and Veneto.

Ecology/conservation: known as a xerophilous species of woodless landscape. Its occurrence in some of the biotopes is therefore surprising. Possibly the larva is able to develop in the dryer margins of fens as well. Trophically the species is linked to various Fabaceae. From the available data *S. vinella* is not regarded as endangered in the area.

Remarks: the adult can be mixed with some other species of the genus *Syncopacma* and it is very likely that the species is overlooked in some parts of the country.

Records: Paludi del Corno, 15.8.2001 (1); Palude di Fontana Abisso, 26.7.2001 (1); Prati di Col S. Floreano, 28.5.2001 (1); Torbiera di Sequals, 15.6.2001 (1); Torbiera di Curiedi, 11.7.2001 (1).

***Syncopacma captivella* (HERRICH-SCHÄFFER, 1854) (Gelechiidae)**

General distribution: isolated records from Great Britain and parts of central and eastern Europe. Recently published as new for Italy (ELSNER et al., 1999).

Regional distribution: only known from a single locality (Magredi di San Quirino).

Biology/conservation: *S. captivella* is a xerophilous species of woodless landscape and its larvae feed on *Cytisus scoparius* and probably other Fabaceae. The conservation status in Italy cannot be defined for the time being due to the lack of data, though it is likely that the species is under some threat.

Remarks: very similar to other species of the genus and probably misidentified or overlooked in many cases.

Record: Magredi di San Quirino, 10.6.2001 (1).

***Phtheochroa fulvicinctana* (CONSTANT, 1893) (Tortricidae)**

General distribution: southern European distribution, ranging from France to the Caucasus. Records from Switzerland (RAZOWSKI, 2002) are extremely dubious due to lack of habitats.

Regional distribution: only known from few localities along the upper Adriatic coast and from Molise. However, the alleged new record for Italy by TREMATERRA & SCIARRETTA (2000) is incorrect and the species was already published from Grado by GALVAGNI (1909) under the name *Conchylis fulvifasciana*.

Ecology/conservation: the larva feeds on *Limonium* and the species is exclusively found in halophytic habitats. The conservation status in Italy cannot be defined from the available data, though the species seems to have a restricted distribution pattern and therefore probably is under some threat.

Record: Palude del Fiume Cavana, 4.9.2002 (2).

***Eana cyanescana* (REAL, 1953) (Tortricidae)**

General distribution: restricted to southern France, with a single known population in Germany (PRÖSE & NOWAK, 2001) and now north-eastern Italy (HUEMER et al., 2005).

Regional distribution: only known from Torbiera di Sequals.

Ecology/conservation: host-plant and early stages unknown. The habitats in Germany are xerophilous localities with *Prunus spinosa* and thermophilous herbs (PRÖSE & NOWAK, 2001). The conservation status in Italy cannot be defined from the available data.

Remarks: in recent literature regarded as possible synonym of *E. derivana* (LA HARPE, 1858) but the

genitalia are more similar to *Eana incanana* (STEPHENS, 1852). However, the adults and genitalia show some differences to the latter (PRÖSE & NOWAK, 2001).

Record: Torbiera di Sequals, 15.6.2001 (1).

***Eucosma scorzonera* (BENANDER, 1942) (Tortricidae)**

General distribution: northern European species, only very recently found in western Austria and in Italy (TREMATERRA & SCJARRETTA, 1998).

Regional distribution: only known from Torbiera di Curedi.

Ecology/conservation: the caterpillars feed on *Scorzonera* spp., both in xerophilous and in hygrophilous grassland but the biology is still insufficiently described. The conservation status in Friuli Venezia Giulia and Italy is unknown but most likely *E. scorzonera* is highly endangered due to human impact and the limited distribution area.

Record: Torbiera di Curedi, 15.6.2002 (2).

***Eucosma gradensis* (GALVAGNI, 1909) (Tortricidae)**

General distribution: a long neglected species which is locally distributed along the Mediterranean coast of Italy, from Friuli Venezia Giulia to Basilicata (TREMATERRA & SCJARRETTA, 1999). According to RAZOWSKI (2003) described from Croatia and also known from France. However, the type-locality is Grado in Friuli Venezia Giulia (GALVAGNI, 1909). Records from France have to be proved.

Regional distribution: known from Fiume Cavana and few other localities between Caorle and Monfalcone.

Ecology/conservation: biological data are missing but the species seems to be restricted to halophytic habitats. The conservation status in Italy cannot be defined from the available data, though the species seems to have a restricted distribution pattern and therefore probably is under some threat.

Record: Palude del Fiume Cavana, 4.9.2002 (2).

***Ancylis subarcuana* (DOUGLAS, 1847) (Tortricidae)**

General distribution: only recorded sporadically from the British Isles to the Baltic countries and central Europe in the south. Newly recorded for Italy (HUEMER et al., 2005).

Regional distribution: only known from a single locality (Magredi di San Quirino) but probably more widely distributed in the northern part of Italy.

Biology/conservation: Larva recorded from *Salix repens* in northern Europe but probably feeding on various *Salix* spp. The conservation status in Italy cannot be defined for the time being due to lack of ecological and distributional data.

Remarks: *A. subarcuana* was treated as synonym of *A. geminana* (DONOVAN, 1806) by several authors and only recently it has been accepted as bona species.

Records: Magredi di San Quirino, 29.4.2001 (3).

***Stenoptilia pneumonanthos* (BÜTTNER, 1880) (Pterophoridae)**

General distribution: northern parts of central and western Europe including southern Scandinavia. Recently recorded new for Italy from Lombardia (ARENBERGER, 2005).

Regional distribution: only known from Torbiera Scichizza.

Biology/conservation: highly specialized species restricted to the flowers and seed-capsules of *Gentiana pneumonanthos* and possibly also *G. cruciata* in the larval stage. *S. pneumonanthos* is considered as critically endangered according to the extremely rare habitats known from Italy. Particularly early mowing is significantly raising mortality rates of the caterpillars.

Record: Torbiera Scichizza, 16.8.2001 (1).

***Stenoptilia succisae* GIBEAUX & NEL, 1991 (Pterophoridae)**

General distribution: only recorded from a few central European countries, namely from France, Austria and Denmark (ARENBERGER, 2005) but probably more widely distributed on the European continent. New record for Italy.

Regional distribution: only known from Torbiera di Curedi.

Biology/conservation: characteristic wetland species with a trophic linkage to *Succisa pratensis*. The species is regarded as endangered in Friuli Venezia Giulia and Italy but this appraisal may be too optimistic considering the known population size.

Records: Torbiera di Curedi, 11.7.2001 (10).

***Stenoptilia mariaeluisae* BIGOT & PICARD, 2002 (Pterophoridae)**

General distribution: north-western Africa, and from Spain and southern France through parts of Italy (Lazio, Veneto, Friuli Venezia Giulia) to Crete.

Regional distribution: only known from a few localities in Friuli Venezia Giulia and Veneto.

Ecology/conservation: the larva feeds on *Kickxia spuria* and hence the species is restricted to xerothermic localities. It is regarded as endangered considering the habitat situation.

Remarks: only described very recently (BIGOT & PICARD, 2002) but already figured as possible new species by HUEMER (1997: 154, fig. 2).

Records: Magredi di San Quirino, 10.6.2001 (1), 30.8.2001 (1), 31.8.2002 (3).

***Acrobasis foroiuliensis* HUEMER & NUSS, 2006 (Pyralidae)**

General distribution: north-eastern Italy (HUEMER & NUSS, 2006).

Regional distribution: only known from a few localities in Friuli Venezia Giulia and Veneto.

Biology/conservation: host-plant and early stages unknown but obviously the species is related to wetland habitats. The conservation aspects are unknown due to lack of biological knowledge, but considering the limited distribution the species is probably threatened.

Remarks: *Acrobasis foroiuliensis* is one of the most striking records from the area, since it is an unmistakable species which may be one of the few endemics of the upper Adriatic area.

Records: Paludi del Corno, 15.8.2001 (1); Risorgive di Flambro, 8.6.2001 (1); Risorgive Zanicco, 15.8.2001 (2).

***Eurhodope luteogrisea* (HERRICH-SCHÄFFER, 1849) (Pyralidae)**

General distribution: insufficiently known, probably restricted to Italy.

Regional distribution: only known from a single locality in northern Italy (Prati di Col S. Floreano) but probably more widely distributed in Friuli Venezia Giulia.

Biology/conservation: the biology is unknown but according to related species probably feeding on *Scabiosa*. The species is at least near threatened but it may well prove that it is under stronger threat in the area.

Remarks: the specific validity of *E. luteogrisea* has been ignored in literature, though HERRICH-SCHÄFFER (1847-1855) gave an unmistakable diagnosis when describing it as a doubtful variation of *E. cirrigerella*. The type-material was collected in the surroundings of Ragusa (Sicily).

Records: Prati di Col S. Floreano, 12.6.2001 (10).

***Chilo luteellus* (MOTSCHOULSKY, 1866) (Pyralidae)**

General distribution: from Spain to Greece and northern Africa to southern Russia, furthermore from central Asia to Japan.

Regional distribution: firstly recorded for the northern part of Italy where it occurs in several localities along the Adriatic coast.

Biology/conservation: the biology is unknown but most probably the species feeds endophagous on Poaceae, maybe common reed. The conservation status cannot be decided with certainty due to lack of biological data but probably the species is not endangered.

Records: Palude del Fiume Cavana, 21.6.2001 (9), 14.8.2001 (3), 20.8.2002 (1).

Proserpinus proserpina (PALLAS, 1772) (Sphingidae)

General distribution: from north-western Africa through the warmer parts of Europe, extending to Turkestan in the east.

Regional distribution: known locally from all Italian regions except Sardinia.

Biology/conservation: a characteristic species of dry and mesophilous habitats of woodless landscape, preferably in ruderal habitats. The caterpillars feed on Onagraceae (*Oenothera* and *Epilobium*). *P. proserpina* has become rare in many central European countries but it is still represented in most Italian regions and the conservation state is not a significant problem in the country.

Records: Magredi di San Quirino, 29.4.2001 (1).

Maculinea alcon (DENIS & SCHIFFERMÜLLER, 1775) (Lycaenidae)

General distribution: from northern Spain through central and eastern Europe to Siberia, Mongolia and the Altai mts.

Regional distribution: only known from northern Italy, in extremely scattered populations from Piemonte to Friuli Venezia Giulia.

Biology/conservation: myrmecophilous species which first feeds in the seed-capsules of *Gentiana pneumonanthe* or rarely *G. asclepiadea*. Later it lives from the brood of ants (e.g. *Myrmica ruginodis*). *M. alcon* is strongly depending on fens which have to be mown late in the year as the larva feed on the plant only from late summer onwards. Early mowing is therefore one of the major threats even in protected landscape. The species is regarded as critically endangered in the region and endangered in Italy.

Records: Risorgive Zarnicco, 4.7.2001 (1); Torbiera di Lazzacco, 6.7.2002 (1); Torbiera di Sequals, 22.8.2001 (9), 14.8.2002 (13); Torbiera Scichizza, 7.7.2001 (1), 28.7.2002 (2); Prati umidi di Quadris, 2.7.2000.

Maculinea teleius (BERGSTRÄSSER, 1779) (Lycaenidae)

General distribution: from western France through central Europe to Siberia, Mongolia and Japan.

Regional distribution: only known from isolated populations in Piemonte and Friuli Venezia Giulia.

Biology/conservation: protected by Annex 2 and 4 of the fauna-flora-habitat directive of the E.U. Myrmecophilous species which first feeds in the flower-heads of *Sanguisorba officinalis*. Later it lives from the brood of ants (*Myrmica scabrinodis*, *M. sabuleti*, *M. rubra*, *M. vandelii*). *M. teleius* is restricted to wetland habitats which have to be mown late in the year as the larvae feed on the plant only from late summer onwards. The conservation status of the species is regarded as critically endangered in the region and endangered in Italy.

Records: Palude Fraghis, 24.8.2001 (15); Prati di Col S. Floreano, 28.7.2001 (4); Torbiera di Lazzacco, 23.7.2001 (1), 6.7.2002 (20); Prati umidi di Quadris, 2.7.2000.

Coenonympha oedippus (FABRICIUS, 1787) (Nymphalidae) (fig. 3)

General distribution: strongly isolated populations from western France through central Europe to Siberia, Mongolia and Japan.



Fig. 3 - *Coenonympha oedippus*, a rare and strictly protected species of wetland habitats (photo by S. Erlebach).

- *Coenonympha oedippus*, specie rara strettamente protetta, tipica di ambienti umidi (foto di S. Erlebach).



Fig. 4 - *Charaspilates formosaria*, known from extremely scattered localities in Central Europe (photo by S. Erlebach).

- *Charaspilates formosaria*, specie centro-europea ad areale estremamente disgiunto (foto di S. Erlebach).

Regional distribution: in Italy only restricted to few localities in Piemonte, Trentino and Friuli Venezia Giulia.

Biology/conservation: protected by Annex 2 and 4 of the fauna-flora-habitat directive of the E.U. The species already has become extinct in many former localities and is one of the critically endangered butterflies in Europe. The conservation status for the remaining populations is critical throughout Europe, mainly due to changes in agricultural land use. The larvae are not much specialized concerning host-plants but they seem to prefer thermophilous and hygrophilous habitats with a high level of ground-water. In Italy also a few populations living in xerophilous grassland are known.

Records: Paludi del Corno, 27.7.2002 (1); Prati di Col S. Floreano, 28.7.2001 (4); Risorgive di Flambro, 30.6.2001 (14), 8.7.2001 (25), 23.6.2002 (18); Risorgive di Virco, 9.7.2001 (3), 28.7.2002 (2); Risorgive Zarnicco, 14.7.2001 (4); Prati umidi di Quadris, 2.7.2000.

Lopinga achine (SCOPOLI, 1763) (Nymphalidae)

General distribution: from northern Spain through central and eastern Europe and a main part of Russia, reaching the Ussuri and Japan in the East.

Regional distribution: only known from the Alps, with local populations from Piemonte to Friuli Venezia Giulia.

Biology/conservation: protected by Annex 4 of the fauna-flora-habitat directive of the E.U. A

characteristic species of mixed forests with limited forestal influence. The larvae feed on various Poaceae, preferably on *Brachypodium* spp. and the adults are preferably found on clearings and edges of *Pinus-Fagus* forests. The endangerment is not particularly high but has to be observed due to the restricted distribution in Italy.

Records: Palude di Cima Corso, 12.7.2001 (1), 22.7.2001 (1); Torbiera Scichizza, 7.7.2001 (6), 8.7.2001 (3), 1.7.2002 (8).

Charaspilates formosaria (EVERSMANN, 1837) (Geometridae) (fig. 4)

General distribution: locally distributed from France through central and eastern Europe to Russia.

Regional distribution: only very few relict localities known from Po plain wetland habitats. Populations in Trentino Alto-Adige are extinct.

Remarks: in the whole region a critically endangered wetland species with trophic relationships to hygrophilous herbs such as *Caltha palustris* or *Lysimachia vulgaris*. The species is very much depending on a high level of ground-water and it has disappeared from most of the few formerly known central European localities during the last decades.

Palude del Corno, 27.6.2002 (2); Risorgive di Flambro, 8.7.2001 (1), 12.6.2002 (2); more recently in Risorgive di Zarnicco.

Arytrura musculus (MÉNÉTRIÉS, 1859) (Noctuidae)

General distribution: restricted to isolated localities in Russia, Romania and Hungary.

Regional distribution: only known from a single locality in Friuli Venezia Giulia (Risorgive Zarnicco). Newly recorded for Italy (HUEMER et al., 2005).

Biology/conservation: *A. musculus* is restricted to humid forests with a trophic linkage to *Salix*. However, the biology is insufficiently described and it is not possible to make a final decision about its conservation status in Italy. Taking into account the general and regional distribution it is very likely that the species is highly endangered.

Records: Risorgive di Zarnicco, 4.7.2001 (2), 14.7.2001 (1), 1.7.2002 (1).

Diachrysia zosimi (HÜBNER, 1822) (Noctuidae)

General distribution: locally distributed from eastern Europe to Asia.

Regional distribution: in Friuli Venezia Giulia restricted to a few relict localities in the upper friulian plain.

Remarks: highly specialized thermo-hygrophilous species with a trophic linkage to *Sanguisorba officinalis*. The limited number of localities and a high human impact on the habitats are responsible for a critically endangered conservation status in the region.

Records: Palude di Fontana Abisso, 26.7.2001 (1); Prati di Col S. Floreano, 28.5.2001 (1), 3.8.2001 (6); Prati umidi di Quadris, 1.6.2002 (1); Torbiera di Borgo Pegoraro, 15.6.2002 (1); Torbiera di Lazzacco, 13.6.2001 (1 larva), 23.7.2001 (3).

Euplagia quadripunctaria (PODA, 1761) (Arctiidae)

General distribution: widely distributed in the western Palearctic, from Spain to northern Iran, absent from the northern parts.

Regional distribution: locally but widely distributed throughout Italy, including Sicily.

Biology/conservation: protected by Annex 2 and 4 of the fauna-flora-habitat directive of the E.U. and considered as a species of priority interest.

Records: Palude del Corno, 15.8.2001 (1); Palude Fraghis, 15.8.2001 (1); Torbiera Scichizza, 28.7.2002 (8).

Lepidopterological characterization of the investigated localities

1 Magredi di San Quirino (San Quirino, PN) (fig. 5)

Assessed species diversity: 372 species.

Lepidopterological characterization: Magredi di San Quirino is an exceptional site compared to all other explored biotopes due to a high amount of xerophilous species and in general a high species diversity. Altogether about 30% of the observed diversity (114 species) are xerophilous species of woodless landscape and a further 8 spp. of xerophilous afforested habitats. Still undescribed or just recently described species from Magredi di San Quirino are of particular interest: *Trifurcula trasaghica*, *Apatetris* sp. A, *Megacraspedus* sp. and *Stenoptilia mariaehuisae*. A number of species are extremely local in the whole region and include also endangered species. Some of them are new records for Italy e.g. *Scrobipalpa halonella* and *Syncopacma captivella*. Further interesting records from the dry grassland are e.g. *Acanthopsyche ecksteini*, *Epermenia ochreomaculella*, *Spiris striata* and numerous species of Pyralidae, Geometridae, Noctuidae. The dry meadows are furthermore exceptionally rich concerning species diversity of butterflies. *Proserpinus proserpina* a species which is listed in annex 4 of the fauna-flora-habitat directive of the E.U., is a further remarkable inhabitant of the dry parts within the biotope. Further important ecotypes are related to mesophilous woodless landscape (79 spp.) and mesophilous species of afforested habitats (67 spp.) and ecotones (42 spp.). They include some rare taxa from hygrophilous forests e.g. *Gelechia basipunctella*, the new Italian record *Ancylis subarcuana* (HUEMER et al., 2005), *Gastropacha quercifolia*, *Smerinthus ocellata* or *Pelosia muscerda*. The fauna of open wetland habitats is limited with only 23 taxa including species such as *Scopula caricaria* or the new Italian record *Monochroa lutulentella* which also occurs in some other biotopes. Ubiquitous taxa are exceptionally rich with 8.5% of the species inventory, including some migrating species.

2 Palude di Fontana Abisso (Buia, UD) (fig. 6)

Assessed species diversity: 218 species.

Lepidopterological characterization: the species composition of Palude di Fontana Abisso is characterized by a high amount of species from arboreal and hygrophilous habitats. The presence of 40 species from wet meadows with a high level of ground water is of particular value. Among them are numerous endangered taxa such as *Celypha doubledayana*, *Calamotropha aureliellus*, *Sclerocona acutella*, *Nascia ciliialis*, *Euthrix potatoria*, *Anticollis sparsata*, *Deltote uncula*, *Lacanobia splendens*, *Diachrysia zosimi* and many others. Most of these taxa are highly specialized, e.g. *Diachrysia zosimi* is a monophagous species feeding on *Sanguisorba officinalis*. Another extremely local specialist is *Archanara sparganii* which develops in *Sparganium* spp. and is only



Fig. 5 - Magredi di San Quirino (San Quirino, PN) (photo by P. Huemer).
- Magredi di San Quirino (San Quirino, PN) (foto di P. Huemer).



Fig. 6 - Palude di Fontana Abisso (Buia, UD) (photo by P. Huemer).
- Palude di Fontana Abisso (Buia, UD) (foto di P. Huemer).

found in small rivulets and extremely wet habitats. The stands of reed are settled by a number of species from the genus *Mythimna* but also microlepidoptera such as *Chilo phragmitella*. Beside of the species composition of the meadows, the relatively high number of specimens is exceptional compared to most other biotopes. Altogether the marshland is by far of the highest value for conservation purpose. About one third of the species diversity is inhabiting afforested habitats such as hygrophilous woodland and hedgerows. Among this ecotype some typical taxa such as *Earias clorana* or *Smerinthus ocellata* are present but most of them are quite common in the region. Xerophilous species of woodless landscape are well represented with 14 spp., most of them originating from the marginal areas of the biotope. Finally some ubiquitous taxa from the cultivated landscape are quite frequent.

3 Palude Fraghis (Porpetto, UD)

Assessed species diversity: 208 species.

Lepidopterological characterization: the biotope is dominated by species from woodland and related ecotypes and hygrophilous and mesophilous afforested landscape. Despite of the moderately low species number the composition of hygrophilous species from wetland meadows, watercourses and reed with altogether 17.8% of the entire species inventory is



Fig. 7 - Torbiera Scichizza (Tarvisio, UD) (photo by F. Desio).
- Torbiera Scichizza (Tarvisio, UD) (foto di F. Desio).

valuable. E.g. *Cosmopterix scribaiella*, *C. lienigiella*, *Batrachedra parvulipunctella*, *Chilo phragmitella* and *Calamotropha paludella*, which all feed exclusively on *Phragmites*, are of high conservation value. The first mentioned species was hitherto not known from northern Italy. All of them are rare and locally distributed. Furthermore species from watercourses are well represented with altogether 4 species. *Maculinea teleius*, protected in annex 2 and 4 of the fauna-flora-habitat directive, occurs in the wet meadows. This species is highly specialized with larvae feeding in the flower-heads of *Sanguisorba officinalis* in the first stages and later in the nests of *Myrmica* spp., and therefore particularly sensitive to changes in environment. Further endangered species from the wet meadows and rivulets are *Monochroa suffusella*, *Phragmatiphila nexa*, *Eucarta amethystina*, *Archanara neurica*, *A. sparganii* and others. Hygrophilous trees and bushes are of some importance for rare species such as *Apatura ilia* or *Tethea ocularis*. Some xerophilous species add to the richness but no particularly valuable taxa are involved. The proportion of faunal components originating from areas of intensified agriculture and artificial forests is intermediate, including species such as *Phyllonorycter robiniella* and *Parectopa robiniella*.

4 Paludi del Corno (Gonars and Porpetto, UD)

Assessed species diversity: 309 species.

Lepidopterological characterization: despite of some human impact, they are a very important site with a lot of highly endangered species and a high species diversity. The fauna of the wetland meadows, reed and sedges includes taxa such as *Monochroa palustrella* which is new to Italy, *Monochroa moyses*, *Helcystogramma arulensis*, *Euthrix potatoria*, *Anticollis sparsata*, *Chariaspilates formosaria*, *Macrochilo cribrumalis*, *Deltote bankiana*, *Hydraecia micacea* and *Phragmatiphila nexa*. Numerous of these taxa are restricted to high ground water level. The thermophilous edges of the forests and along the roads but also some dryer meadows are inhabited by xerophilous species e.g. *Syncopacma vinella* which is new to Italy and feeds on various Fabaceae. The surrounding woodland is partially influenced by plantations but beside also a mixture of natural trees and bushes is represented with a moderately high species diversity. Altogether the mesophilous fauna of arboreal habitats includes 34.6% and the faunal composition of the forestal ecotones another 14.4% of the entire species inventory. In the more humid parts of the woodland the rare *Perizoma lugdunaria* was found but also *Acrobasis foroiuliensis*, *Apatura ilia* or *Clostera anastomosis*. Furthermore *Euplagia quadripunctaria*, protected by the fauna-flora-habitat directive in annex 2 as priority species occurs in this part of the biotope. Ubiquitous taxa and xerophilous ecotypes add substantially to the inventory but without particular value for conservation purpose.

5 Torbiera Scichizza (Tarvisio, UD) (fig. 7)

Assessed species diversity: 374 species.

Lepidopterological characterization: Torbiera Scichizza is mainly dominated by species from afforested habitats (35.8%) and forestal ecotones (17.1%). However, despite of the moderately small number of 22 taxa the hygrophilous ecotype is of high interest. Particularly *Eupoecilia sanguisorbana* from *Sanguisorba officinalis* and *Stenoptilia pneumonanthes* and *Maculineaalcon* from *Gentiana pneumonanthes* are of exceptional conservation value. *S. pneumonanthes* was recently published new to Italy (ARENBERGER, 2005), the distribution of the other two species in Italy is extremely scattered. Records of the tyrphophilous *Coenonympha tullia* date back to 1985 and this species may have become extinct meanwhile. The dryer meadows are inhabited by a number of xerophilous species e.g. *Scopula virgulata* and *Idaea serpentata* which add to the species diversity, but also the number of mesophilous species of woodless landscape is very high (86 spp.). Large coniferous and mixed forests within and in the surroundings of the biotope are the habitats richest in species. Some characteristic species develop in the more hygrophilous parts of these forests, e.g. *Prays fraxinella*, *Stathmopoda pedella* and *Laotloe populi*, but also the stands of spruce have some specialists. Of particular value is the priority species *Euplagia quadripunctaria* of the fauna-flora-habitat directive which occurs along the humid margins of the woodland, together *Lopinga achine* which is protected by annex 4 of the fauna-flora-habitat directive. The biotope is furthermore settled by numerous montane species such as *Acompisia tripunctella*, *Euphyia scripturata*, *Rhopaloglyphos glaucinaria* and *Elophos vittaria*. Most of them are quite common in the North of the region.

6 Torbiera di Sequals (Sequals, PN) (fig. 8)

Assessed species diversity: 337 species.

Lepidopterological characterization: Torbiera di Sequals is a biotope rich in species due to a mixture of thermophilous woodland species and hygrophilous to mesophilous taxa from woodless landscape. The fauna of the fens includes only a limited number of endangered species such as *Crambus uliginosellus*, which is mainly present in raised bogs, *Nascia ciliaris*, *Maculineaalcon*, *Idaea muricata*, *Chortodes sohnretheli* and *Mythimna* spp. Some interesting taxa find their habitats in the xerophilous margins of the forest and along small paths, e.g. *Anasphaltis renigerellus*, *Chrysocrambus linetella* and *Hipparchia semele*, and the new Italian records *Eana cyanescana* and *Syncopacma vinella*, the latter of which was furthermore recorded in some other biotopes. By far the majority of the observed species develops in the various types of forests, which range from humid to thermophilous composition. Altogether 153 spp. (45.4%) are restricted to afforested habitats and further 53



Fig. 8 - Torbiera di Sequals (Sequals, PN) (photo by P. Huemer).
- Torbiera di Sequals (Sequals, PN) (foto di P. Huemer).



Fig. 9 - Prati di Col S. Floreano (Rive d'Arcano, UD) (photo by P. Huemer).
- Prati di Col S. Floreano (Rive d'Arcano, UD) (foto di P. Huemer).

spp. to forestal ecotones. Examples for thermophilous woodland species are *Satyrium ilicis* and *Spatalia argentina* from oak, whereas e.g. *Gibberifera simplana*, *Notodonta torva* and *Tethea ocularis* are inhabiting hygrophilous forests. On the contrary the artificial stands of *Robinia* in the southeastern part are settled by only very few species.

7 Torbiera di Casasola (Majano, UD)

Assessed species diversity: 117 species.

Lepidopterological characterization: strongly degraded faunal composition due to the extreme negative human impact in a major part of the biotope. Nevertheless, the relict wetland in the central part is still inhabited by a few hygrophilous species (10 spp.) such as *Donacaula mucronella*, *Sclerocoma acutella* or *Deltote uncula* and there seems to be some potential for renaturalization. The species of afforested habitats are dominating with 46% of the species inventory but only few additional interesting taxa. Particularly humid woodland which is still represented in some parts is settled by some specialists e.g. *Clostera anachoreta* and *Parastichtis ypsilon* feeding on Salicaceae. Nevertheless the entire biotope is dominated by a moderately low number of species, most of them unspecialised in a wide range of forestal types or ubiquitous. Some of the taxa are well known pests in agriculture e.g. *Ostrinia nubilalis* on maize.



Fig. 10- Palude di Cima Corso (Ampezzo, UD) (photo by G. Colombetta).
- Palude di Cima Corso (Ampezzo, UD) (foto di G. Colombetta).



Fig. 8 - Torbiera di Sequals (Sequals, PN) (photo by P. Huemer).
- Torbiera di Sequals (Sequals, PN) (foto di P. Huemer).



Fig. 9 - Prati di Col S. Floreano (Rive d'Arcano, UD) (photo by P. Huemer).
- Prati di Col S. Floreano (Rive d'Arcano, UD) (foto di P. Huemer).

spp. to forestal ecotones. Examples for thermophilous woodland species are *Satyrion ilicis* and *Spatalia argentina* from oak, whereas e.g. *Gibberifera simplana*, *Notodonta torva* and *Tethea ocularis* are inhabiting hygrophilous forests. On the contrary the artificial stands of *Robinia* in the southeastern part are settled by only very few species.

7 Torbiera di Casasola (Majano, UD)

Assessed species diversity: 117 species.

Lepidopterological characterization: strongly degraded faunal composition due to the extreme negative human impact in a major part of the biotope. Nevertheless, the relict wetland in the central part is still inhabited by a few hygrophilous species (10 spp.) such as *Donacaula mucronella*, *Sclerocoma acutella* or *Deltote uncula* and there seems to be some potential for renaturalization. The species of afforested habitats are dominating with 46% of the species inventory but only few additional interesting taxa. Particularly humid woodland which is still represented in some parts is settled by some specialists e.g. *Clostera anachoreta* and *Parastichtis ypsilon* feeding on Salicaceae. Nevertheless the entire biotope is dominated by a moderately low number of species, most of them unspecialised in a wide range of forestal types or ubiquitous. Some of the taxa are well known pests in agriculture e.g. *Ostrinia nubilalis* on maize.



Fig. 10- Palude di Cima Corso (Ampezzo, UD) (photo by G. Colombetta).
- Palude di Cima Corso (Ampezzo, UD) (foto di G. Colombetta).

8 Prati di Col S. Floreano (Rive d'Arcano, UD) (fig. 9)

Assessed species diversity: 314 species.

Lepidopterological characterization: the mixture of xerophilous and hygrophilous meadows at Col San Floreano together with thermophilous woodland is striking and a main reason for an extraordinary rich lepidopterous community. The wet meadows in the central and eastern part are inhabited by a moderately low number of species but among them two species listed in annex 2 and 4 of the fauna-flora-habitat directive of the EC, viz. *Coenonympha oedippus* and *Maculinea teleius*. The latter shares its host-plant *Sanguisorba officinalis* with the very locally distributed *Diachrysia zosimi*. The dryer meadows on the southern exposed hills are very rich in diversity with numerous rare or also endangered species, e.g. *Eurhodope luteogrisea* as well as thermophilous species such as *Hypochalcia bruandella*, *Phibalapteryx virgata*, *Schistostegia decussata*, *Acosmetia caliginosa* and a high number of butterflies. Altogether 42 spp. (13.4%) are xerophilous and further 80 spp. (25.5%) mesophilous species of open landscape. The faunal composition of arboreal habitats includes 89 spp. and 37 spp. from forestal ecotones but most of the faunal components are quite common in the region. Single oaks and hedgerows considerably contribute to the species diversity and numerous taxa are associated with broad-leaved trees/bushes. Finally 24 ubiquitous taxa have been recorded, a high number due to influence of agricultural landscape in the surroundings.

9 Palude di Cima Corso (Ampezzo, UD) (fig. 10)

Assessed species diversity: 294 species.

Lepidopterological characterization: Palude di Cima Corso is characterized by a high species diversity, particularly because of the mixture of natural forests and mesophilous to hygrophilous meadows. However, inadequate weather conditions during parts of the excursions had some negative influence on the collecting results. The composition of the butterfly fauna is rich and includes *Lopinga achine* which is listed in annex 4 of the fauna-flora-habitat directive of the European Community. This species is one of the rare butterflies which is restricted to woodland exclusively. In addition *Apatura iris* and *Argynnis paphia* are further taxa from this kind of habitat. A main part of the observed species comes from the mixed forests both from broad-leaved trees/bushes and from conifers. Altogether 110 spp. are related to forests and 58 spp. to forestal ecotones. The fens itself are rather poor in species richness (17 spp.) and only a few rare taxa are present, e.g. *Crambus silvella*, *Photodes minima* and various *Mythimna* spp. Some dryer meadows in the marginal zones add to the diversity and are also important because of the numerous flowers as nectar resource. 57 mesophilous and 11 xerophilous species of woodless landscape develop in this part of the biotope. Among them a new record for Italy, viz. *Pseudatemelia elsa*, was found. However,

the ecology of this taxon is insufficiently known and it may well develop in the dryer afforested parts of the site. Palude di Cima Corso is furthermore influenced by montane species, e.g. *Agonopterix petasitis*, *Paranarsia joannisiella*, *Zygaena transalpina*, *Erebia euryale*, *Gagitodes sagittata*, *Polymixis gemmea* and *Diarsia dahlia*.

10 Torbiera di Pramollo (Pontebba, UD) (fig. 11)

Assessed species diversity: 169 species.

Lepidopterological characterization: as the only subalpine site, Torbiera di Pramollo differs strongly from all other biotopes. The species diversity is low and mainly dominated by species from grassland, alpine scree and rock formations and coniferous woodland/dwarf shrub zone. Hygrophilous species are very rare, certainly due to the negative influence by grazing and furthermore the moderately high elevation of the locality. Altogether only 5 taxa including e.g. *Glyptotendix thronella* and *Coleophora glaucicolella* are associated with the wetland. The fauna from spruce forests and particularly the dwarf shrubs (e.g. *Vaccinium*) is well represented by specialists such as *Argyresthia amiantella*, *Epinotia tedella* and *Hylaea fasciaria* from *Pinus* or *Rhopobota ustomaculana*, *Itame brunneata*, *Elophos vittarius* and *Syngrapha interrogationis* from *Vaccinium*. 38 species are characteristic for afforested habitats and another 26 spp. for forestal ecotones. The sub-alpine pastures are important for mesophilous taxa of woodless landscape and a main part of the montane and alpine species which include 25.4% of the entire fauna. They are habitat for *Digitivalva arnicella* from *Arnica montana* or a number of species feeding on grass such as *Eana osseana*, *Catoptria* spp., some Noctuidae or butterflies of the genus *Erebia*. However, most of these taxa are widely distributed and common in alpine areas and without significant threats. Similarly the coenosis from rock formations is not endangered. It includes moss feeding taxa such as *Eudonia sudetica* but also species with different specialization on various flowering plants, e.g. *Teleiopsis albifemorella* from *Rumex scutatus*.

11 Torbiera di Lazzacco (Moruzzo and Pagnacco, UD)

Assessed species diversity: 284 species.

Lepidopterological characterization: the two parts of the biotope are quite distinct concerning Lepidoptera. The eastern part is smaller and with a lower diversity than the western part. However, the former is inhabited by tyrphophilous species which are absent in the west, e.g. *Phiaris palustrana* and *Eudonia pallida*. A higher number of rare and locally distributed hygrophilous species was observed, among them *Cosmopterix lienigiella*, *Celypha doubledayana*, *Nyctegretis triangulella*, *Nascia cilialis*, *Macrochilo cribrumalis* or *Diachrysia zosimi*. The butterfly fauna of the wet meadows includes *Maculinea teleius*



Fig. 11- Torbiera di Pramollo (Pontebba, UD) (photo by F. Desio).
- Torbiera di Pramollo (Pontebba, UD) (foto di F. Desio).



Fig. 12- Risorgive di Flambro (Talmassons, UD) (photo by P. Huemer).
- Risorgive di Flambro (Talmassons, UD) (foto di P. Huemer).

which is protected by annex 2 and 4 of the fauna-flora-habitat directive. Altogether 36 spp. (12.7%) are directly associated with the moorland. A main part of the species diversity comes from the forests and related areas including ferns with *Callopistria juvenina* as a specialized consumer. 37.7% of the entire species inventory are restricted to afforested habitats and a further 12% to ecotones. Altogether the species diversity in the area is high due to the mixture of afforested parts and open wetland. Furthermore the dryer meadows on the southern border of the biotope contribute to the diversity with thermophilous species e.g. from *Scabiosa* such as *Eurhodope rosella* and *E. cirrigerella*.

12 Risorgive di Flambro (Talmassons, UD) (fig. 12)

Assessed species diversity: 238 species.

Lepidopterological characterization: the Lepidoptera communities of the site are characterized by a number of endangered species from wetlands on the one hand including extremely locally distributed taxa such as *Chariaspilates formosaria* and *Coenonympha oedippus*. The latter is protected by the E.U. and is listed in annex 2 and 4 of the fauna-flora-habitat directive. The two taxa are restricted to the wet hygrophilous meadows in the central part of the biotope with a high level of ground water and the larva feed on herbs or Cyperaceae/Poaceae. Other species characteristic for this microhabitat are e.g. *Phragmataecia castaneae* restricted to *Phragmites*, *Aristotelia subdecurtella* from *Lythrum* or *Plusia festucae* which feeds on various wetland herbs. Further remarkable species are exclusively linked to the rivulets e.g. *Elophila rivulalis*. The larva of this remarkable species is still undescribed but definitely feeds under water. Altogether the marshland is by far of the highest value for conservation purpose. However, the higher number of species occurs outside of the open wetland and includes further rare taxa within the otherwise intensively cultivated landscape. The dryer meadows are characterized by about 62 mesophilous to xerophilous species, including more widely distributed butterflies. The forestall ecotones are moderately rich in species numbers as well and e.g. the rare *Lamprotes c-aureum* from Ranunculaceae is typical. A further important coenosis (84 spp.) is restricted to the afforested landscape of the site, with a number of thermophilous species feeding e.g. on *Quercus* or hygrophilous taxa e.g. on Salicaceae such as *Apatura ilia*. Furthermore a new species of *Acrobasis* most likely develops in the humid parts of the afforested habitats.

13 Torbiera di Curiedi (Tolmezzo, UD) (fig. 13)

Assessed species diversity: 409 species.

Lepidopterological characterization: the exceptional high species number observed in this biotope is mainly due to influence from the edges and surroundings of the wetland

area. The latter itself is inhabited by a low number of species (18 hygrophilous spp.) which are however, of particularly high interest from a scientific point of view. The north-eastern part is the type-locality of a species new to science, viz. *Elachista morandinii*, and therefore of exceptional scientific importance (HUEMER & KAILA, 2003). This humid part is furthermore characterized by species such as *Stenoptilia succisae*, which was not yet known from Italy. However, most of the sampled species develop in the peripheral zones or outside of the biotope. The extensive dryer meadows in the peripheral rim are inhabited by an interesting mesophilous to xerophilous coenosis (altogether 117 spp.) which includes taxa such as *Caryocolum amaurella* from *Lychnis flos-cuculi*, *Mirificarma eburnella* which feeds on various Fabaceae or *Eurhodope cirrigerella* from *Scabiosa*. Most likely *Eucosma scorzonera* also develops in this part of the biotope. The highest species diversity is associated with afforested habitats (153 spp.) and forestal ecotones (72 spp.). A number of interesting species is restricted to thermophilous trees such as *Quercus* or *Pinus* which grow in the peripheral zone of the biotope. These ecotypes include e.g. *Coleophora lutipennella*, *C. ibipennella*, three species of *Dioryctria*, *Drymonia velitaris* or *Neozephyrus quercus*. Furthermore the hygrophilous bushes, mainly *Salix* spp., are an important nutritious resource. Ubiquitous species are well represented with 34 taxa and the mountainous influence is documented by 8 montane species.

14 Risorgive di Zarnicco (Rivignano, UD)

Assessed species diversity: 301 species.

Lepidopterological characterization: Risorgive Zarnicco is dominated by mesophilous species from woodland habitats and forestal ecotones with altogether 179 spp. (59.5%). However, the biotope is also inhabited by some very rare and partially endangered species from wetland (12.9%). Some characteristic species from reed and sedges could be observed, e.g. *Phragmataecia castaneae*, *Chilo phragmitella*, *Calamotropa paludella* and *C. aureliellus*, *Archanara sparganii*, *Mythimna flamma*, *Macrochilo cribrumalis*, but also 3 species of semiaquatic Acentropinae. The first Italian record of the large noctuid moth *Arytrura musculus* is extraordinary. This species was hitherto only known from a few localities in Rumania and Hungary on the European continent. Furthermore the undescribed species of *Acrobasis* was found in a single female. Some further rare taxa such as *Scopula corrivalaria* or *Eucarta amethystina* are typical for the more diverse parts of the wetland meadows. Of high importance for conservation purpose is the occurrence of *Coenonympha oedippus*, a species protected by annex 2 and 4 of the fauna-flora-habitat directive. It also flies in the nearby biotopes of Risorgive di Flambro and Virco. Probably these populations correspond with each another and it is therefore of particular importance to consider the entire area as habitat for a possible metapopulation of this species. In contrast to other members of the genus,

Maculinea alcon is - despite of its extremely specialized early stages (monophagous on *Gentiana*/myrmecophily) - not protected by European law. The high number of thermophilous to hygrophilous woodland species includes numerous interesting specialists such as the endangered *Perizoma lugdunaria* from *Cucubalus baccifer*. 21 xerophilous and 37 mesophilous species of woodless landscape further add to the species diversity of Risorgive Zarnicco whereas 24 ubiquitous taxa are of low value for conservation purpose.

15 Palude del Fiume Cavana (Monfalcone, GO) (fig. 14)

Assessed species diversity: 265 species.

Lepidopterological characterization: Palude del Fiume Cavana are inhabited by a mixture of very interesting ecotypes including 110 species associated with woodland and forestal ecotypes (41.7%) and a high number of 42 hygrophilous taxa (15.8%). The site is quite exceptional due to some halophytic elements which do not occur in any other of the biotopes, e.g. *Coleophora maritimella* from *Juncus maritimus*, *Phtheochroa fulvicinctana* from *Limonium*, *Phalonidia affinitana* from *Aster tripolium*, *Gynnidomorpha vectisana* from *Salicornia*, *Eucosma gradensis* and probably *Apatetris* sp. B. *Eupithecia ultimaria* which is restricted to *Tamarix* was not yet published from the entire Adriatic area (MIRONOV, 2003). Particularly *Limonium* is a potential host-plant for some further species which are known from the surroundings of the biotope, including the recently described *Agdistis morini* (HUEMER, 2002a). The reed and the open wetland is settled by rare and partially endangered species such as *Nematopogon metaxella*, *Coleophora glaucicolella*, *Batrachedra parvulipunctella*, *Cosmopterix scribaiella*, *Limnaecia phragmitella*, *Bactra venosana*, *Chilo luteellus*, *Calamotropa paludella*, *Sclerocoma acutella*, *Deltote bankiana*, *Phragmatiphila nexa* or some *Mythimna* spp. The hygrophilous forests, dominated by some old poplars are inhabited by a moderately low number of specialists, e.g. *Wockia asperipunctella*, *Tethea ocularis* and *Gastropacha quercifolia*. Beside of these highly specialized ecotypes a thermophilous fauna of woodland is well represented including e.g. *Eutelia adulatrix* and *Aedia leucomelas*. Furthermore the number of xerophilous species from woodless landscape is high with 33 spp. including rare taxa such as *Luperina dumerilii*. The influence by migrating species is reflected by the highest number of ubiquitous species compared with to other biotopes (35 spp.).

16 Risorgive di Virco (Bertiolo and Talmassons, UD)

Assessed species diversity: 267 species.

Lepidopterological characterization: Risorgive di Virco are strongly influenced by mesophilous to thermophilous species from woodland habitats with altogether 121 spp. or



Fig. 13- Torbiera di Curiadi (Tolmezzo, UD) (photo by D. Zanocco).
- Torbiera di Curiadi (Tolmezzo, UD) (foto di D. Zanocco).



Fig. 14- Palude del Fiume Cavana (Monfalcone, GO) (photo by C. Dalfreddo).
- Palude del Fiume Cavana (Monfalcone, GO) (foto di C. Dalfreddo).

45.3% of the assessed species diversity. Wetland species are present with 25 taxa, a moderately low number. However, they include a colony of the protected *Coenonympha oedippus* which is flying in the Cariceti of the central part of the biotope. Of particular value is the rivulet in the western part, nearby to intensified meadows. Here a strong population of *Elophila rivulalis* could be found. This species is extremely endangered all over Europe and was hitherto only known in low abundance mainly from historical places. Further remarkable hygrophilous species are e.g. *Aristotelia subdecurtella*, *Nascia cilialis* and *Phragmatiphila nexa*. Considering species diversity Virco is characterized by a particular high percentage of woodland species both from thermophilous stands of oak and hygrophilous forests. Particularly the latter microhabitat includes endangered species such as *Gastropacha populifolia* or *Perizoma lugdunaria*. The number of mesophilous and thermophilous taxa from woodless landscape is moderate (45 and 17 spp. resp.) with only a very limited number of butterflies. Most of these species are widely distributed and not endangered.

17 Prati umidi di Quadris (Fagagna, UD) (fig. 15)

Assessed species diversity: 178 species.

Lepidopterological characterization: Prati umidi di Quadris is mainly dominated by



Fig. 15- Prati umidi di Quadris (Fagagna, UD) (photo by P. Huemer).
- Prati umidi di Quadris (Fagagna, UD) (foto di P. Huemer).

species from woodland habitats and ecotones (89 spp.) and altogether the species diversity is comparatively low. The wetland area is influenced by a strong human impact and the lepidopterous fauna shows some degradation. Nevertheless some endangered and rare species could be observed, e.g. *Nascia ciliaris*, *Anticollis sparsata*, *Deltote bankiana*, *Diachrysis zosimi* and *Chortodes sohnretheli*. However, the fauna of butterflies and moths is characterized by species living in afforested areas which find more suitable habitats in a large part of the biotope. Particularly hygrophilous woodland species are well represented and include some locally distributed taxa such as *Gelechia muscosella*, *Sciota fumella*, *Tethea ocularis*, *Pelosia muscerda*, *Colobochyla salicalis* and numerous other less rare species. Species protected by the fauna-flora-habitat directive could not be recorded during our study. However, records of *Maculinea teleius* and *Coenonympha oedippus* only date back to the year 2000. After all, Quadris biotope has to be considered in connection with the nearby Col San Floreano.

18 Torbiera di Borgo Pegoraro (Moruzzo, UD)

Assessed species diversity: 195 species.

Lepidopterological characterization: Torbiera di Borgo Pegoraro is mainly characterized by mesophilous to hygrophilous species from woodland and forestal ecotones with altogether 57% of the observed species diversity. The fauna of open wetland is moderately poor, due to the limited suitable habitat but still 28 hygrophilous species of woodless landscape could be observed. Only the surrounding of the lake with some reed and sedges is inhabited by a typical wetland fauna which includes species such as *Chilo phragmitella*, *Calamatropha paludella*, *Cataclysta lemnata*, *Nascia ciliaris*, *Scopula corrivalaria*, *Archanara sparganii*, *Mythimna* spp. and others. Further interesting taxa from the wet meadows include the rare noctuid *Eucarta virgo*. The other parts of the biotope are dominated by woodland species which are mostly widely distributed in the region, though some of them are characteristic for hygrophilous forests e.g. the Salicaceae-specialists *Eupithecia tenuiata*, *Ipimorpha retusa* and *Parastichtis ypsilon*. The dry and extensively used meadows are of low value for the biotope and only few species are living in this habitat, e.g. *Melitaea didyma*. Despite of a number of butterflies no species of annex 2 and 4 of the fauna-flora-habitat directive have been observed. *Maculinea teleius* has been collected during the eighties of XX century and some exemplars are present in the collections of the Museo Friulano di Storia Naturale.

Discussion

The assessed species diversity of 1.314 (+81) taxa of Lepidoptera observed within a limited number of excursions is surprisingly high. It includes about one-third of the entire

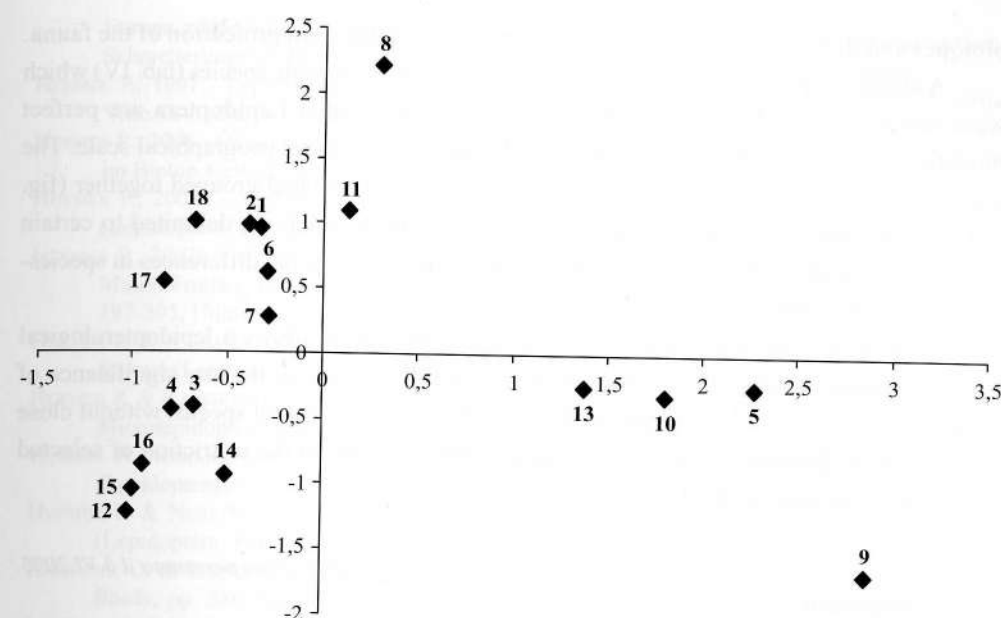


Fig. 16- Correspondence analysis of biotopes.
- Analisi multivariata dei biotopi.

estimated lepidopterous fauna of Friuli Venezia Giulia and hence the 18 Natura 2000 biotopes significantly add to the biodiversity of the whole region. Numerous new records for Italy or for parts of the country and even hitherto undescribed species, together with a large variety of stenotopic species, many of them related to wetland habitats, emphasise the importance of the protected areas for the fauna of butterflies and moths.

Lepidoptera can be considered as one of the major groups concerning biodiversity in these localities, also compared to the other investigated groups. Most of the biotopes are particularly valuable for a large number of species of the hygrophilous ecotype, whereas xerophilous species are represented only in a few biotopes, namely Magredi di San Quirino and Prati di Col San Floreano.

Montane and subalpine influence with a generalized decline and change of the species composition can be observed at the site Torbiera di Pramollo. Formerly widely distributed in the Padanian plane both humid and xerophilous biotopes have become increasingly scattered and fragmented human induced relicts.

Strict protection of the remaining sites will be a major task for conservationists. The frequently observed human impact, mainly due to intensified agriculture and also forestation within some habitats, is a main concern of conservation. Buffer areas around the protected areas and a strict ban of insecticides, pesticides and fertilisers within the

biotopes and their surroundings will be necessary for a long-term protection of the fauna.

A statistical correspondence analysis is based on 160 stenotopic species (tab. IV) which were selected as particularly site characteristic. It proves that Lepidoptera are perfect bioindicators for vegetation aspects and climatic factors on a larger geographical scale. The montane, pre-alpine and planitial biotopes are clearly separated and grouped together (fig. 16). Specialisation to a limited number of larval hostplants which are delimited to certain biotopes only and varying climatic conditions are responsible for the differences in species-composition between the sites.

Analysis of autecological parameters of selected species allows a lepidopterological characterisation of the localities. Methodological problems such as the low significance of sampling methods in relation to the habitats and the record of several species without close affinities to the biotopes seems to be of limited influence due to the restriction of selected species to stenotopic taxa.

Manoscritto pervenuto il 3.VI.2005.

Acknowledgements

We are grateful to Siegfried Erlebach (Innsbruck), Dr. Gianluca Governatori (Pordenone), Bruno Infanti (Pordenone), Mojmir Lasan (Ljubljana) and Lucio Morin (Monfalcone) for assistance during field work. Furthermore technical help particularly from Dr. Maria Manuela Giovannelli (Udine), Dr. Gianluca Governatori (Pordenone) and Dr. Fabio Stoch (Trieste) is gratefully acknowledged. A part of the material was collected with financial support of Azienda dei Parchi e delle Foreste Regionali (now Direzione Centrale Risorse Agricole, Naturali, Forestali e Montagna of Autonomous Region Friuli Venezia Giulia).

Bibliography

- ARENBERGER E., 2005 - Pterophoridae III. In: GAEDIKE R. (ed.) - Microlepidoptera Palaearctica. *Goecke & Evers*, pp. 191, Keltern.
- BIGOT L. & PICARD J., 2002 - Les *Stenoptilia* de la section *grisea* en France. *Stenoptilia mariae-luisae* nov. sp. et *Stenoptilia inopinata* nov. sp. (Lepidoptera Pterophoridae). *Alexanor*, 21 (5): 301-311, Paris.
- COMUNE DI UDINE - MUSEO FRIULANO DI STORIA NATURALE, 2003 - Monitoraggio della componente faunistica dei Biotopi Naturali dell Friuli Venezia Giulia. Pp. 252, Udine (unpublished report).
- DEUTSCH H., 2006 - Beitrag zur Lepidopterenfauna von Friaul-Julisch Venetien (Norditalien). Teil 1: Provinz Udine (Karnische Alpen, Karnische Voralpen, Oberer Tagliamento). *Gortania, Atti Mus. Friul. St. Nat.*, 27 (2005): 227-298, Udine.
- ELSNER G., HUEMER P. & TOKAR Z., 1999 - Die Palpenmotten (Lepidoptera, Gelechiidae) Mitteleuropas. Bestimmung - Verbreitung - Flugstandort - Lebensweise der Raupen. *F. Slamka*, pp. 208, 85 monochrome pls., 28 colours pls., Bratislava.
- GALVAGNI E., 1909 - Die zoologische Reise des Naturwissenschaftlichen Vereines nach Dalmatien im April 1906. B. Spezieller Teil. Bearbeitung des gesammelten Materiales. 13. Lepidoptera. (Beiträge zur Kenntnis der Lepidopterenfauna der Adriatischen Inseln). *Mitt. Naturwiss. Verein, Univ. Wien*, 7: 154-254, Wien.
- HERRICH-SCHÄFFER, G.A.W., [1847-] 1849 [-1855] - Systematische Bearbeitung der Schmetterlinge von Europa, zugleich als Text, Revision und Supplement zu Jakob Hübner's Sammlung europäischer Schmetterlinge. 4. Die Zünsler und Wickler. 288 + 48 pp., 23 + 59 pls., Regensburg.
- HUEMER P., 1997 - Lepidopteren im Bereich der dealpinen Flüsse Meduna und Tagliamento (Friuli Venezia Giulia, Norditalien). *Gortania-Atti Mus. Friul. St. Nat.*, 18: 201-214, Udine.
- HUEMER P., 2001 - Ökologische Bewertung nachaktiver Schmetterlingsgemeinschaften (Lepidoptera) im Biotop Kalterer See (Südtirol). *Gredleriana*, 1: 419-447, Auer-Ora.
- HUEMER P., 2002a - *Agdistis morini* sp. n., a new plume moth from Friuli Venezia Giulia (Italy) (Lepidoptera, Pterophoridae). *Gortania-Atti Mus. Friul. St. Nat.*, 23: 187-196, Udine.
- HUEMER P., 2002b - New records of Lepidoptera for the fauna of Italy from the collections of the Museo Friulano di Storia Naturale, Udine (Lepidoptera). *Gortania-Atti Mus. Friul. St. Nat.*, 23: 197-205, Udine.
- HUEMER P. & KAILA L., 2003 - *Elachista (Elachista) morandini* sp. n., a new species from Central Europe (Lepidoptera, Elachistidae). *Gortania-Atti Mus. Friul. St. Nat.*, 24: 211-220, Udine.
- HUEMER P. & KARSHOLT O., 1999 - Gelechiidae I. In: HUEMER P., KARSHOLT O. & LYNEBORG L. (eds) - Microlepidoptera of Europe. Vol. 3. *Apollo Books*, pp. 356, 14 colour pls., Stenstrup.
- HUEMER P., MORANDINI C. & MORIN L., 2005 - New records of Lepidoptera for the Italian fauna (Lepidoptera). *Gortania-Atti Mus. Friul. St. Nat.*, 26: 281-294, Udine.
- HUEMER P. & NUSS M., 2006 - *Acrobasis foroiulensis* sp. n., a new species from northern Italy (Lepidoptera, Pyralidae). *Gortania-Atti Mus. Friul. St. Nat.*, 27: 129-138, Udine.
- KARSHOLT O. & RAZOWSKI J., 1996 - The Lepidoptera of Europe. A Distributional Checklist. *Apollo Books*, pp. 380, Stenstrup.
- LASTUVKA A. & LASTUVKA Z., 2005 - Four new *Trifurcula* species and additional faunal data on Nepticulidae from Italy. *Acta Univ. Agric. et Silv. Mendel. Brno*, 53 (1): 7-14, Brno.
- LERAUT P., 1991 - Contribution à l'étude des *Asarta* et *Asartodes* de la région paléarctique (Lep. Pyralidae, Phycitinae). *Ent. Gall.*, 2: 171-185.
- MINELLI A., RUFFO S. & LA POSTA S. (eds), 1995 - Checklist delle specie della fauna italiana. Ed. Calderini, Fasc. 80-91, Bologna.
- MIRONOV V., 2003 - Larentiinae II (Perizomini and Eupitheciini). In: HAUSMANN A. (ed.) - The Geometrid Moths of Europe. Vol. 4. *Apollo Books*, pp. 463, 16 colour pls., Stenstrup.
- PRÖSE H. & NOWAK G., 2001 - *Nola subchlamydule* Staudinger, 1871, *Eana cyanescana* (Réal, 1953) und *Lobesia virulenta* Bae & Komai, 1991 - drei für Bayern neue Schmetterlingsarten (Lepidoptera: Nolidae, Tortricidae). *Beitr. Bayer. Entomofaunistik*, 4: 29-31, Bamberg.
- RAZOWSKI J., 2002 - Tortricidae of Europe. Vol. 1. *F. Slamka*, pp. 247, 71 monochrome pls., 16 colour pls., Bratislava.
- RAZOWSKI J., 2003 - Tortricidae of Europe. Vol. 2. *F. Slamka*, pp. 301, 95 monochrome pls., 18 colour pls., Bratislava.
- TREMATERRA P. & SCIARRETTA A., 1998 - *Eucosma scorzonera* (Benander, 1942), nuova per la fauna italiana, e interessanti Olethreutinae dall'Italia centro-meridionale (Lepidoptera Tortricidae). *Frustula Ent.*, n. s., 21 (34): 19-25, Pisa.
- TREMATERRA P. & SCIARRETTA A., 1999 - Ritrovamento di *Archicnephasia hartigi* Razowski, 1983, ed *Eucosma gradensis* (Galvagni, 1909) e descrizione delle femmine (Lepidoptera Tortricidae). *Boll. Lab. Ent. Agr. Filippo Silvestri*, 55: 53-59, Napoli.
- TREMATERRA P. & SCIARRETTA A., 2000 - Segnalazione di *Phtheochroa fulvicinctana* (Constant, 1893), *Cydia vallesiaca* (Sauter, 1968) e *Dichrorampha consortana* (Stephens, 1852) in Italia (Lepidoptera Tortricidae). *Boll. Zool. Agr. Bachic.*, Ser. II, 32 (1): 71-74, Milano.
- VIGNA TAGLIANTI A., AUDISIO P.A., BELFIORE C., BIONDI M., BOLOGNA M.A., CARPANETO G.M., DE BIASE A., DE FELICI S., PIATTELLA E., RACHELI T., ZAPPAROLI M. & ZOIA S., 1992 - Riflessioni di gruppo sui corrotipi fondamentali della fauna W-paleartica ed in particolare italiana. *Biogeographia*, 16: 159-179, Bologna.

Tab. IV - Checklist of species per site, chorological categories and ecological aspects of Lepidoptera registered in the 18 Natura 2000 sites.

- *Elenco delle specie di Lepidoteri per località, categorie corologiche ed aspetti ecologici rinvenuti nelle 18 località di Natura 2000.*

Taxon: family, genus, species, author and year of description; nomenclature and systematics mainly following KARHOLT & RAZOWSKI (1996); ! = stenotopic species selected for correspondence analysis of the research biotopes.

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	Magredi di S. Quirino	Palude Fontana Abisso	Palude Fraghis	Paludi del Corno	Torbiera Scelizza	Torbiera di Sequals	Torbiera di Casasola	Prati di Col S. Floreano	Palude di Cima Corso	Torbiera di Pramollo	Torbiera di Lazzacco	Risorgive di Flambro	Torbiera di Curedi	Risorgive di Zanicco	Palude del F. Cavana	Risorgive di Virco	Prati umidi di Quadris	Torbiera di B.go Pegoraro
MICROPTERIGIDAE																		
<i>Micropterix aruncella</i> (SCOPOLI, 1763)																		
<i>Micropterix aureatella</i> (SCOPOLI, 1763)																		
<i>Micropterix calthella</i> (LINNAEUS, 1761)																		
HEPIALIDAE																		
<i>Triodia sylvina</i> (LINNAEUS, 1761)								*										
NEPTICULIDAE																		
<i>Stigmella glutinosae</i> (STANTON, 1858)																		
<i>Stigmella johanssonella</i> LASTUVKA & LASTUVKA, 1997																		
<i>Stigmella microtheriella</i> (STANTON, 1854)																		
<i>Stigmella salicis</i> (STANTON, 1854)																		
<i>Stigmella trimaculella</i> (HAWORTH, 1828)																		
<i>Stigmella aurella</i> (FABRICIUS, 1775)																		
<i>Stigmella atricapitella</i> (HAWORTH, 1828)																		
<i>Trifurcula pallidella</i> (DUPONCHEL, 1843)																		
<i>Trifurcula trasaghiella</i> LASTUVKA & LASTUVKA, 2005																		
OPOSTEGIDAE																		
<i>Pseudopostega auritella</i> (HÜBNER, 1813)	!																	
<i>Pseudopostega crepusculella</i> (ZELLER, 1839)	!																	
HELIOZELIDAE																		
<i>Antispila metallella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Antispila treitschkiella</i> (FISCHER v. RÖSLERSTAMM, 1843)																		
ADELIDAE																		
<i>Nemophora degeerella</i> (LINNAEUS, 1758)																		
<i>Nemophora metallica</i> (PODA, 1761)																		
<i>Nemophora minimella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Adela croesella</i> (SCOPOLI, 1763)																		
<i>Nematopogon metaxella</i> (HÜBNER, 1813)																		
INCURVARIIDAE																		
<i>Incurvaria masculella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Incurvaria oehlmanniella</i> (HÜBNER, 1796)																		
TISCHERIIDAE																		
<i>Tischeria ekebladella</i> (BJERKANDER, 1795)																		
<i>Tischeria dodonaea</i> STANTON, 1858																		
<i>Emmetia marginea</i> (HAWORTH, 1828)																		
<i>Emmetia angusticollis</i> (DUPONCHEL, 1843)																		
TINEIDAE																		
<i>Cephamallota crassiflavella</i> BRUAND, 1851																		
<i>Montescardia tessulatellus</i> (LIENIG & ZELLER, 1846)																		
<i>Nemapogon variatella</i> (CLEMENS, 1859)																		
<i>Nemapogon clematella</i> (FABRICIUS, 1781)																		
<i>Tinea semifulvella</i> HAWORTH, 1828																		
<i>Tinea trinitella</i> THUNBERG, 1794																		
<i>Monopis obviella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		

1-18: number of sites (according to tab. I); + = records 2001-2002; * = sub-recent data.

Chorotype: according to tab. II, following VIGNA TAGLIANTI et al. (1992).

Larval hostplant: basic information about larval hostplants mainly in central Europe, based on multiple literature sources and/or personal observations.

Ecotype: xerwl = xerophilous, woodless; xerar = xerophilous, arboreous; hygwl = hygrophilous, woodless; meswl = mesophilous, woodless; mesec = mesophilous, ecotones; mesfo = mesophilous; forests; mon = montane; alp = alpine; ubiq = ubiquitous; ? = uncertain

Taxon	Chorotype	Larval hostplant	Ecotype
MICROPTERIGIDAE			
<i>Micropterix aruncella</i>	1,05	?dead vegetable matter	meswl
<i>Micropterix aureatella</i>	1,05	?dead vegetable matter	mesec
<i>Micropterix calthella</i>	1,05	?moss	hygwl
HEPIALIDAE			
<i>Triodia sylvina</i>	1,04	herbs, roots	meswl
NEPTICULIDAE			
<i>Stigmella glutinosae</i>	2,01	<i>Alnus</i>	mesfo
<i>Stigmella johanssonella</i>	3,03	<i>Ostrya carpinifolia</i>	mesfo
<i>Stigmella microtheriella</i>	2,01	<i>Corylus avellana</i>	mesfo
<i>Stigmella salicis</i>	1,05	<i>Salix caprea</i> , <i>S. cinerea</i> , <i>S. aurita</i> etc	mesfo
<i>Stigmella trimaculella</i>	2,01	<i>Populus nigra</i> , <i>P. x canadensis</i>	mesfo
<i>Stigmella aurella</i>	2,01	Rosaceae: <i>Rubus</i> , <i>Fragaria</i> , <i>Geum</i>	meswl
<i>Stigmella atricapitella</i>	2,01	<i>Quercus</i>	mesfo
<i>Trifurcula pallidella</i>	2,04	Fabaceae: <i>Chamaecytisus</i> , <i>Lembotropis</i> , <i>Cytisus</i>	xerwl
<i>Trifurcula trasaghiella</i>	D	<i>Genista</i>	xerwl
OPOSTEGIDAE			
<i>Pseudopostega auritella</i>	1,05	<i>Lycopus europaeus</i>	hygwl
<i>Pseudopostega crepusculella</i>	1,05	? <i>Mentha</i>	hygwl
HELIOZELIDAE			
<i>Antispila metallella</i>	2,01	<i>Cornus</i>	mesec
<i>Antispila treitschkiella</i>	2,01	<i>Cornus</i>	mesec
ADELIDAE			
<i>Nemophora degeerella</i>	2,01	?dead vegetable matter	mesfo
<i>Nemophora metallica</i>	2,01	Dipsacaceae: <i>Knautia</i> , <i>Scabiosa</i> , ? <i>Succisa</i>	meswl
<i>Nemophora minimella</i>	2,01	Dipsacaceae: <i>Scabiosa</i> , <i>Succisa</i>	meswl
<i>Adela croesella</i>	2,01	?dead vegetable matter	mesfo
<i>Nematopogon metaxella</i>	2,01	dead vegetable matter	hygwl
INCURVARIIDAE			
<i>Incurvaria masculella</i>	2,01	deciduous trees/shrubs: <i>Fagus</i> , <i>Quercus</i> , <i>Betula</i> , <i>Rosa</i> etc	xerar
<i>Incurvaria oehlmanniella</i>	2,01	deciduous trees/shrubs: <i>Tilia</i> , <i>Salix</i> , <i>Prunus</i> , <i>Cornus</i>	mesfo
TISCHERIIDAE			
<i>Tischeria ekebladella</i>	B	<i>Quercus</i>	mesfo
<i>Tischeria dodonaea</i>	2,01	<i>Quercus</i>	mesfo
<i>Emmetia marginea</i>	2,01	<i>Rubus</i>	mesec
<i>Emmetia angusticollis</i>	1,03	<i>Rosa</i>	xerar
TINEIDAE			
<i>Cephamallota crassiflavella</i>	2,01	?dead organic matter	xerwl
<i>Montescardia tessulatellus</i>	1,02	rotten wood, fungi	mesfo
<i>Nemapogon variatella</i>	1,03	rotten wood, fungi	mesfo
<i>Nemapogon clematella</i>	2,01	rotten wood, fungi	mesfo
<i>Tinea semifulvella</i>	1,03	dead organic matter	ubiq
<i>Tinea trinitella</i>	2,01	dead organic matter	ubiq
<i>Monopis obviella</i>	2,01	rotten wood, fungi	mesfo

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Monopis monachella</i> (HÜBNER, 1796)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PSYCHIDAE																		
<i>Taleporia tubulosa</i> (REIZIUS, 1783)																		
<i>Psyche casta</i> (PALLAS, 1767)																		
<i>Bijugis bombycella</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Acanthopsyche ecksteini</i> (LEDERER, 1855)	+																	
<i>Canephora hirsuta</i> (PODA, 1761)																		
<i>Pachythelia villosella</i> (OCHSENHEIMER, 1810)																		
<i>Megalophanes viciella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Phalacropteryx praececellens</i> (STAUDINGER, 1870)	+																	
<i>Sterrhopterix fusca</i> (HAWORTH, 1809)																		
<i>Apterona helicoidella</i> (VALLOT, 1827)	+																	
BUCCULATRICIDAE																		
<i>Bucculatrix bechsteinella</i> (BECHSTEIN & SCHARFENBERG, 1805)	+																	
<i>Bucculatrix cidarella</i> (ZELLER, 1839)																		
<i>Bucculatrix frangutella</i> (GOEZE, 1783)																		
<i>Bucculatrix ulmella</i> ZELLER, 1848																		
GRACILLARIIDAE																		
<i>Paractopa robinella</i> CLEMENS, 1863																		
<i>Caloptilia alchimiella</i> (SCOPOLI, 1763)																		
<i>Caloptilia elongella</i> (LINNAEUS, 1761)																		
<i>Caloptilia fribergensis</i> (FRITZSCHE, 1871)																		
<i>Caloptilia robustella</i> JÄCKH, 1972																		
<i>Caloptilia stigmatella</i> (FABRICIUS, 1781)																		
<i>Aspilapteryx limosella</i> (DUPONCHEL, 1844)	+																	
<i>Aspilapteryx tringipennella</i> (ZELLER, 1839)	+																	
<i>Calybites phasianipennella</i> (HÜBNER, 1813)																		
<i>Parornix anglicella</i> (STANTON, 1850)																		
<i>Parornix betulae</i> (STANTON, 1854)																		
<i>Parornix carpinella</i> (FREY, 1863)																		
<i>Parornix devoniella</i> (STANTON, 1850)																		
<i>Parornix finitimella</i> (ZELLER, 1850)																		
<i>Phyllonorycter cerasicolella</i> (HERRICH-SCHÄFFER, 1855)																		
<i>Phyllonorycter coryli</i> (NICELLI, 1851)																		
<i>Phyllonorycter lantanella</i> (SCHRANK, 1802)																		
<i>Phyllonorycter muelleriella</i> (ZELLER, 1839)																		
<i>Phyllonorycter platani</i> (STAUDINGER, 1870)																		
<i>Phyllonorycter populifoliella</i> (TREITSCHKE, 1833)																		
<i>Phyllonorycter robinella</i> (CLEMENS, 1859)																		
<i>Phyllonorycter roboris</i> (ZELLER, 1839)																		
<i>Phyllonorycter sagitella</i> (BIERKANDER, 1790)																		
<i>Phyllocnistis labyrinthella</i> (BIERKANDER, 1790)																		
<i>Phyllocnistis unipunctella</i> (STEPHENS, 1834)																		
YPONOMEUTIDAE																		
<i>Scythropia crataegella</i> (LINNAEUS, 1767)	+																	
<i>Yponomeuta evonymella</i> (LINNAEUS, 1758)																		
<i>Yponomeuta cagnagella</i> (HÜBNER, 1813)																		
<i>Yponomeuta plumbella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Yponomeuta sedella</i> TREITSCHKE, 1833	+																	
<i>Swammerdamia caesiella</i> (HÜBNER, 1796)																		
<i>Swammerdamia compunctella</i> (HERRICH-SCHÄFFER, 1855)	+																	
<i>Cedestis gysselella</i> ZELLER, 1839																		
<i>Cedestis subfasciella</i> (STEPHENS, 1834)																		
<i>Ocnerostoma piniariella</i> ZELLER, 1847																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Monopis monachella</i>	1,05	dead organic matter	ubiq
PSYCHIDAE			
<i>Taleporia tubulosa</i>	2,01	lichens, algae, dead vegetable matter	mesfo
<i>Psyche casta</i>	1,02	herbs, grass, deciduous shrubs	meswl
<i>Bijugis bombycella</i>	1,10	decaying leaves, herbs	xerwl
<i>Acanthopsyche ecksteini</i>	1,07	Poaceae, herbs	xerwl
<i>Canephora hirsuta</i>	1,07	herbs	meswl
<i>Pachythelia villosella</i>	1,10	herbs, dead vegetable matter	xerwl
<i>Megalophanes viciella</i>	1,04	herbs, grass	hygwl
<i>Phalacropteryx praececellens</i>	2,04	herbs, grass	xerwl
<i>Sterrhopterix fusca</i>	2,01	deciduous trees/shrubs	mesfo
<i>Apterona helicoidella</i>	1,09	herbs, grass	xerwl
BUCCULATRICIDAE			
<i>Bucculatrix bechsteinella</i>	1,02	Rosaceae: <i>Crataegus</i> , <i>Pyrus</i>	mesfo
<i>Bucculatrix cidarella</i>	2,01	<i>Alnus</i>	mesfo
<i>Bucculatrix frangutella</i>	2,01	Rhamnaceae: <i>Rhamnus</i> , <i>Frangula</i>	mesec
<i>Bucculatrix ulmella</i>	2,01	<i>Quercus</i>	mesfo
GRACILLARIIDAE			
<i>Paractopa robinella</i>	D	<i>Robinia</i>	mesfo
<i>Caloptilia alchimiella</i>	2,01	<i>Quercus</i>	mesfo
<i>Caloptilia elongella</i>	1,01	<i>Alnus</i>	mesfo
<i>Caloptilia fribergensis</i>	1,10	<i>Acer</i>	mesfo
<i>Caloptilia robustella</i>	2,01	<i>Quercus</i>	mesfo
<i>Caloptilia stigmatella</i>	1,04	<i>Salix</i>	mesfo
<i>Aspilapteryx limosella</i>	1,10	<i>Teucrium</i>	xerwl
<i>Aspilapteryx tringipennella</i>	1,04	<i>Plantago</i>	meswl
<i>Calybites phasianipennella</i>	1,05	<i>Lysimachia</i>	hygwl
<i>Parornix anglicella</i>	1,01	Rosaceae	mesfo
<i>Parornix betulae</i>	1,05	<i>Betula</i>	mesfo
<i>Parornix carpinella</i>	2,01	Corylaceae: <i>Carpinus</i> , <i>Ostrya</i>	mesfo
<i>Parornix devoniella</i>	2,01	<i>Corylus</i>	mesec
<i>Parornix finitimella</i>	2,01	<i>Prunus spinosa</i>	xerar
<i>Phyllonorycter cerasicolella</i>	1,03	<i>Prunus</i> : esp. <i>P. avium</i> , <i>P. cerasus</i>	mesfo
<i>Phyllonorycter coryli</i>	2,01	<i>Corylus avellana</i>	mesec
<i>Phyllonorycter lantanella</i>	2,01	<i>Viburnum lantana</i> , <i>V. opulus</i>	mesec
<i>Phyllonorycter muelleriella</i>	2,01	<i>Quercus</i>	mesfo
<i>Phyllonorycter platani</i>	1,11	<i>Platanus</i>	mesfo
<i>Phyllonorycter populifoliella</i>	1,04	<i>Populus nigra</i>	mesfo
<i>Phyllonorycter robinella</i>	D	<i>Robinia</i>	mesfo
<i>Phyllonorycter roboris</i>	2,01	<i>Quercus</i>	mesfo
<i>Phyllonorycter sagitella</i>	1,05	<i>Populus tremula</i>	mesfo
<i>Phyllocnistis labyrinthella</i>	1,04	<i>Populus alba</i> , <i>P. canescens</i> , <i>P. tremula</i>	mesfo
<i>Phyllocnistis unipunctella</i>	1,04	<i>Populus nigra</i> , <i>P. tremula</i>	mesfo
YPONOMEUTIDAE			
<i>Scythropia crataegella</i>	2,01	Rosaceae: <i>Crataegus</i> , <i>Prunus spinosa</i> , <i>Malus</i>	mesfo
<i>Yponomeuta evonymella</i>	1,04	Rosaceae: esp. <i>Prunus padus</i>	mesfo
<i>Yponomeuta cagnagella</i>	1,05	<i>Euonymus</i>	mesec
<i>Yponomeuta plumbella</i>	1,05	<i>Euonymus</i>	mesfo
<i>Yponomeuta sedella</i>	1,02	<i>Sedum</i>	meswl
<i>Swammerdamia caesiella</i>	2,01	<i>Betula</i>	mesec
<i>Swammerdamia compunctella</i>	1,05	Rosaceae: <i>Sorbus</i> , <i>Cotoneaster</i>	mon
<i>Cedestis gysselella</i>	2,01	<i>Pinus</i>	mesfo
<i>Cedestis subfasciella</i>	2,01	<i>Pinus</i>	mesfo
<i>Ocnerostoma piniariella</i>	2,01	<i>Pinus</i>	mesfo

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	Magredi di S. Quirino	Palude Fontana Abisso	Palude Fraghis	Paludi del Corno	Torbiera Scichizza	Torbiera di Sequali	Torbiera di Casasola	Prati di Col S. Floreano	Palude di Cima Corso	Torbiera di Pramollo	Torbiera di Lazzacco	Risorgive di Flambro	Torbiera di Curiedi	Risorgive di Zanicco	Palude del F. Cavana	Risorgive di Virco	Prati umidi di Quadris	Torbiera di B.go Pegoraro
<i>Niphonympha albella</i> (ZELLER, 1847)	!							+										
<i>Prays fraxinella</i> (BIERKANDER, 1784)					+													
<i>Prays oleae</i> (BERNARD, 1788)																		
<i>Argyresthia amiantella</i> (ZELLER, 1847)	!								+									
<i>Argyresthia abdominalis</i> ZELLER, 1839									+									
<i>Argyresthia goedartella</i> (LINNAEUS, 1758)					+	+										+		
<i>Argyresthia pygmaeella</i> (DENIS & SCHIFFERMÜLLER, 1775)					+									+				
<i>Argyresthia sorbiella</i> (TREITSCHKE, 1833)										+								
<i>Argyresthia retinella</i> ZELLER, 1839		+				+												
<i>Argyresthia conjugella</i> ZELLER, 1839					+	+			+									
YPSOLOPHIDAE																		
<i>Ypsolopha parenthesella</i> (LINNAEUS, 1761)								+					+					
<i>Ypsolopha ustella</i> (CLERCK, 1759)										+								
<i>Ypsolopha sequella</i> (CLERCK, 1759)									+									
PLUTELLIDAE																		
<i>Plutella xylostella</i> (LINNAEUS, 1758)		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ACROLEPIIDAE																		
<i>Digitivalva arnicella</i> (HEYDEN, 1863)	!								+									
GLYPHIPTERIGIDAE																		
<i>Glyphipterix thrasonella</i> (SCOPOLI, 1763)	!	+				+		+	+						+			
<i>Glyphipterix simplicella</i> (STEPHENS, 1834)		+				+		+										
BEDELLIIDAE																		
<i>Bedellia somnulentella</i> (ZELLER, 1847)			+	+							+	+	+	+	+	+	+	+
LYONETIIDAE																		
<i>Leucoptera sinuella</i> (REUTTI, 1853)			+	+														
<i>Lyonetia clerkella</i> (LINNAEUS, 1758)				+														
ETHMIIDAE																		
<i>Ethmia quadrillemma</i> (GOEZE, 1783)		+	+	+	+	+	+							+	+	+		
<i>Ethmia bipunctella</i> (FABRICIUS, 1775)		+																
DEPRESSARIIDAE																		
<i>Agonopterix ocellana</i> (FABRICIUS, 1775)																		+
<i>Agonopterix petasitis</i> (STANDFUSS, 1851)									+									+
<i>Agonopterix ciliella</i> (STANTON, 1849)																		+
<i>Agonopterix arenella</i> (DENIS & SCHIFFERMÜLLER, 1775)							+											+
<i>Agonopterix yeatiana</i> (FABRICIUS, 1781)		+				+												+
<i>Agonopterix heracliana</i> (LINNAEUS, 1758)			+															+
<i>Agonopterix cnicella</i> (TREITSCHKE, 1832)				+														+
<i>Agonopterix pallorella</i> (ZELLER, 1839)					+	+												+
<i>Agonopterix kaekeritziana</i> (LINNAEUS, 1767)					+	+		+										+
<i>Depressaria depressana</i> (FABRICIUS, 1775)		+				+												+
<i>Depressaria sordidatella</i> (TENGSTRÖM, 1848)									+									+
ELACHISTIDAE																		
<i>Cosmiotes consortella</i> (STANTON, 1851)								+										+
<i>Cosmiotes freyerella</i> (HÜBNER, 1825)			+															+
<i>Elachista adscitella</i> STANTON, 1851									+									+
<i>Elachista agelensis</i> TRAUGOTT-OLSEN, 1996										+			+					+
<i>Elachista albifrontella</i> (HÜBNER, 1817)										+								+
<i>Elachista argentella</i> (CLERCK, 1759)		+																+
<i>Elachista atrisquamosa</i> STAUDINGER, 1880		+																+
<i>Elachista canapennella</i> (HÜBNER, 1813)									+									+
<i>Elachista chrysodesmella</i> ZELLER, 1850										+								+
<i>Elachista contaminatella</i> ZELLER, 1847			+									+						+
<i>Elachista gleichenella</i> (FABRICIUS, 1781)										+								+
<i>Elachista humilis</i> ZELLER, 1850										+								+

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Niphonympha albella</i>	2,04	<i>Quercus</i>	xerar
<i>Prays fraxinella</i>	2,01	<i>Fraxinus</i>	mesfo
<i>Prays oleae</i>	3,01	<i>Olea</i>	xerar
<i>Argyresthia amiantella</i>	2,03	<i>Picea abies</i>	mesfo
<i>Argyresthia abdominalis</i>	2,01	<i>Juniperus</i>	mesfo
<i>Argyresthia goedartella</i>	1,05	Betulaceae: <i>Betula</i> , <i>Alnus</i>	mesfo
<i>Argyresthia pygmaeella</i>	1,05	<i>Salix caprea</i> , <i>S. cinerea</i>	mesfo
<i>Argyresthia sorbiella</i>	1,05	Rosaceae: <i>Sorbus</i> , <i>Cotoneaster</i>	mon
<i>Argyresthia retinella</i>	1,05	<i>Betula</i> , ? <i>Salix</i>	mesfo
<i>Argyresthia conjugella</i>	1,05	Rosaceae: <i>Sorbus</i> , <i>Malus</i>	mesfo
YPSOLOPHIDAE			
<i>Ypsolopha parenthesella</i>	1,05	deciduous trees/shrubs: <i>Quercus</i> , <i>Carpinus</i> , <i>Betula</i> etc	mesfo
<i>Ypsolopha ustella</i>	2,01	deciduous trees/shrubs: esp. <i>Quercus</i>	mesfo
<i>Ypsolopha sequella</i>	2,01	<i>Acer</i>	mesfo
PLUTELLIDAE			
<i>Plutella xylostella</i>	B	Brassicaceae	ubiq
ACROLEPIIDAE			
<i>Digitivalva arnicella</i>	2,03	<i>Arnica montana</i>	mon
GLYPHIPTERIGIDAE			
<i>Glyphipterix thrasonella</i>	2,01	<i>Juncus</i>	hygw
<i>Glyphipterix simplicella</i>	1,03	Poaceae: <i>Dactylis</i> , <i>Festuca arundinacea</i>	meswl
BEDELLIIDAE			
<i>Bedellia somnulentella</i>	B	Convolvulaceae	mesec
LYONETIIDAE			
<i>Leucoptera sinuella</i>	2,01	<i>Populus</i>	mesfo
<i>Lyonetia clerkella</i>	1,02	woody Rosaceae, Betulaceae	mesfo
ETHMIIDAE			
<i>Ethmia quadrillemma</i>	1,03	Boraginaceae: <i>Symphytum</i> , <i>Pulmonaria</i> etc	mesfo
<i>Ethmia bipunctella</i>	1,01	Boraginaceae: <i>Echium</i> , <i>Symphytum</i> , <i>Anchusa</i>	xerwl
DEPRESSARIIDAE			
<i>Agonopterix ocellana</i>	1,02	deciduous trees/shrubs: esp. <i>Salix</i> , rarely <i>Betula</i>	mesfo
<i>Agonopterix petasitis</i>	2,03	<i>Petasites</i>	mon
<i>Agonopterix ciliella</i>	1,01	Apiaceae: <i>Angelica</i> , <i>Daucus</i> , <i>Heracleum</i>	mesec
<i>Agonopterix arenella</i>	1,02	Asteraceae: <i>Cirsium</i> , <i>Carlina</i>	xerwl
<i>Agonopterix yeatiana</i>	1,03	Apiaceae: <i>Daucus</i> , <i>Carum</i> etc	meswl
<i>Agonopterix heracliana</i>	1,05	Apiaceae: <i>Anthriscus</i> , <i>Heracleum</i> etc	mesec
<i>Agonopterix cnicella</i>	1,03	<i>Eryngium</i>	xerwl
<i>Agonopterix pallorella</i>	1,04	Asteraceae: <i>Centaurea</i> , <i>Serratula</i>	meswl
<i>Agonopterix kaekeritziana</i>	1,04	Asteraceae: <i>Centaurea</i> , <i>Inula</i> , <i>Cirsium</i>	meswl
<i>Depressaria depressana</i>	1,02	Apiaceae: <i>Daucus</i> , <i>Pimpinella</i> , <i>Pastinaca</i>	meswl
<i>Depressaria sordidatella</i>	2,01	Apiaceae: <i>Anthriscus</i> , <i>Pastinaca</i> , <i>Angelica</i> etc.	mesec
ELACHISTIDAE			
<i>Cosmiotes consortella</i>	2,01	<i>Poa annua</i>	meswl
<i>Cosmiotes freyerella</i>	2,01	Poaceae: esp. <i>Poa</i>	meswl
<i>Elachista adscitella</i>	2,01	Poaceae: esp. <i>Deschampsia</i>	meswl
<i>Elachista agelensis</i>	D	unknown	unknown
<i>Elachista albifrontella</i>	2,01	Poaceae: <i>Dactylis</i> , <i>Holcus</i> , <i>Deschampsia</i> etc	meswl
<i>Elachista argentella</i>	1,03	Poaceae: <i>Phalaris</i> , <i>Bromus</i> , <i>Dactylis</i>	meswl
<i>Elachista atrisquamosa</i>	2,04	unknown	unknown
<i>Elachista canapennella</i>	2,01	Poaceae: <i>Holcus</i> , <i>Arrhenaterum</i>	meswl
<i>Elachista chrysodesmella</i>	1,12	Cyperaceae, Poaceae	xerwl
<i>Elachista contaminatella</i>	2,04	unknown	hygw
<i>Elachista gleichenella</i>	2,01	Juncaceae: <i>Luzula</i> , Cyperaceae: <i>Carex</i>	hygw
<i>Elachista humilis</i>	2,01	Poaceae, Cyperaceae	meswl

Taxon	1 Magredi di S. Quirino	2 Palude Fontana Abisso	3 Palude Fraghis	4 Paludi del Corno	5 Torbiera Scelizza	6 Torbiera di Sequals	7 Torbiera di Casola	8 Prati di Col S. Floreano	9 Palude di Cima Corso	10 Torbiera di Pramollo	11 Torbiera di Lazzacco	12 Risorgive di Flambro	13 Torbiera di Curiedi	14 Risorgive di Zamico	15 Palude del F. Cavana	16 Risorgive di Virco	17 Prati umidi di Quadris	18 Torbiera di B.ago Pegoraro
<i>Elachista metella</i> KAILA, 2002	!																	+
<i>Elachista morandini</i> HUIMER & KAILA, 2003	!												+					
<i>Elachista rufocinerea</i> (HAWORTH, 1828)													+					
<i>Elachista ruthae</i> (TRAUGOTT-OLSEN, 1994)					+													
<i>Elachista subocellea</i> (STEPHENS, 1834)								+	+				+					
STATHMOPODIDAE																		
<i>Stathmopoda pedella</i> (LINNAEUS, 1761)				+														
AGONOXENIDAE																		
<i>Blastodacna atra</i> (HAWORTH, 1828)					+													
<i>Tetanocentria ochraceella</i> (REBEL, 1903)			+									+						
SCYTHRIDIDAE																		
<i>Scythris obscura</i> (SCOPOLI, 1763)													+					
OECOPHORIDAE																		
<i>Bisigna procerella</i> (DENIS & SCHIFFERMÜLLER, 1775)					+				+									
<i>Metalampra italica</i> BALDIZZONE, 1977				+	+	+	+	+			+							
<i>Crassa unitella</i> (HÜBNER, 1796)			+	+	+	+	+	+			+			+	+			+
<i>Batia lambdella</i> (DONOVAN, 1793)			+															
<i>Batia internella</i> JACKH, 1972			+															
<i>Batia lunaris</i> (HAWORTH, 1828)				+							+							
<i>Oecophora bractella</i> (LINNAEUS, 1758)					+								+					
<i>Harpella forcicella</i> (SCOPOLI, 1763)								+										
<i>Carcina quercana</i> (FABRICIUS, 1775)			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Minetia</i> sp.						+												
<i>Pleurota bicostella</i> (CLERCK, 1759)			+		+					+	+							
<i>Pleurota aristella</i> (LINNAEUS, 1767)			+															
LECITHOCERIDAE																		
<i>Lecithocera nigrana</i> (DUPONCHEL, 1836)			+															
<i>Odites kollarella</i> (O. COSTA, 1832)			+															
BATRACHEDRIDAE																		
<i>Batrachedra pinicolella</i> (ZELLER, 1839)										+			+					
<i>Batrachedra parvulipunctella</i> CHRÉTIEU, 1915	!		+												+			
COLEOPHORIDAE																		
<i>Goniodoma auroguttella</i> (FISCHER V. RÖSLERSTAMM, 1841)	!														+			
<i>Coleophora albella</i> (THUNBERG, 1788)							+											
<i>Coleophora lutipennella</i> (ZELLER, 1838)													+					
<i>Coleophora flavipennella</i> (DUPONCHEL, 1843)						+						+	+					
<i>Coleophora milvipennis</i> ZELLER, 1839															+			
<i>Coleophora alnifoliae</i> BARASCH, 1934			+						+									
<i>Coleophora serratella</i> (LINNAEUS, 1761)			+			+									+			+
<i>Coleophora binderella</i> (KOLLAR, 1832)													+					
<i>Coleophora trifolii</i> (CURTIS, 1832)				+														
<i>Coleophora frischella</i> (LINNAEUS, 1758)														+	+			
<i>Coleophora alcyonipennella</i> (KOLLAR, 1832)														+				
<i>Coleophora hemerobiella</i> (SCOPOLI, 1763)													+					
<i>Coleophora onobrychiella</i> ZELLER, 1849															+			
<i>Coleophora deauratella</i> LIENIG & ZELLER, 1846			+											+				
<i>Coleophora mayrella</i> (HÜBNER, 1813)					+									+				
<i>Coleophora albidella</i> (DENIS & SCHIFFERMÜLLER, 1775)		+	+	+	+							+	+	+	+	+	+	+
<i>Coleophora ibipennella</i> ZELLER, 1849	!													+				
<i>Coleophora zelleriella</i> HEINEMANN, 1854														+				
<i>Coleophora currucipennella</i> ZELLER, 1839														+				
<i>Coleophora serpylletorum</i> HERING, 1889		+																
<i>Coleophora auricella</i> (FABRICIUS, 1794)	!	+					+											
<i>Coleophora conspicuella</i> ZELLER, 1849	!	+						+										

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Elachista metella</i>	2,04	unknown	xerwl
<i>Elachista morandini</i>	2,03	unknown	hygw
<i>Elachista rufocinerea</i>	2,01	<i>Holcus mollis</i>	xerwl
<i>Elachista ruthae</i>	2,03	unknown	meswl
<i>Elachista subocellea</i>	2,03	<i>Brachypodium sylvaticum</i>	meswl
STATHMOPODIDAE			
<i>Stathmopoda pedella</i>	1,05	<i>Alnus</i>	mesfo
AGONOXENIDAE			
<i>Blastodacna atra</i>	2,01	<i>Malus</i>	xerar
<i>Tetanocentria ochraceella</i>	2,04	?rotten wood, fungi	xerar
SCYTHRIDIDAE			
<i>Scythris obscura</i>	1,05	<i>Cerastium</i>	mon
OECOPHORIDAE			
<i>Bisigna procerella</i>	1,05	lichens on trees	mesfo
<i>Metalampra italica</i>	C	rotten wood	mesfo
<i>Crassa unitella</i>	2,01	rotten wood	mesfo
<i>Batia lambdella</i>	1,09	rotten wood	mesfo
<i>Batia internella</i>	2,01	rotten wood	mesfo
<i>Batia lunaris</i>	1,09	rotten wood	mesfo
<i>Oecophora bractella</i>	2,01	rotten wood	mesfo
<i>Harpella forcicella</i>	2,01	rotten wood	mesfo
<i>Carcina quercana</i>	1,03	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> , <i>Sorbus</i> , <i>Rubus</i>	mesfo
<i>Minetia</i> sp.	D	unknown	unknown
<i>Pleurota bicostella</i>	1,02	Ericaceae: <i>Erica</i> , <i>Calluna</i>	mesfo
<i>Pleurota aristella</i>	1,10	herbs	xerwl
LECITHOCERIDAE			
<i>Lecithocera nigrana</i>	2,04	decaying leaves	xerar
<i>Odites kollarella</i>	1,10	<i>Salvia</i>	xerwl
BATRACHEDRIDAE			
<i>Batrachedra pinicolella</i>	2,01	Pinaceae: <i>Pinus</i> , <i>Picea</i>	mesfo
<i>Batrachedra parvulipunctella</i>	1,10	<i>Phragmites australis</i>	hygw
COLEOPHORIDAE			
<i>Goniodoma auroguttella</i>	2,04	<i>Atriplex</i>	meswl
<i>Coleophora albella</i>	1,02	Caryophyllaceae: <i>Silene</i> , <i>Lychnis</i>	xerwl
<i>Coleophora lutipennella</i>	2,01	<i>Quercus</i>	mesfo
<i>Coleophora flavipennella</i>	2,01	<i>Quercus</i>	mesfo
<i>Coleophora milvipennis</i>	1,05	deciduous trees/shrubs: <i>Betula</i> , <i>Corylus</i> , <i>Carpinus</i>	mesfo
<i>Coleophora alnifoliae</i>	1,01	Betulaceae: esp. <i>Alnus</i>	mesfo
<i>Coleophora serratella</i>	1,01	deciduous trees/shrubs: esp. <i>Alnus</i>	mesfo
<i>Coleophora binderella</i>	2,01	deciduous trees/shrubs: esp. <i>Betula</i> , <i>Alnus</i>	mesfo
<i>Coleophora trifolii</i>	1,01	<i>Melilotus</i>	meswl
<i>Coleophora frischella</i>	B	<i>Trifolium</i>	meswl
<i>Coleophora alcyonipennella</i>	2,01	<i>Trifolium</i>	meswl
<i>Coleophora hemerobiella</i>	2,01	Rosaceae: <i>Crataegus</i> , <i>Malus</i> , <i>Prunus</i> , <i>Sorbus</i>	mesfo
<i>Coleophora onobrychiella</i>	2,01	Fabaceae: esp. <i>Onobrychis</i>	meswl
<i>Coleophora deauratella</i>	2,01	Fabaceae: <i>Trifolium</i> , <i>Medicago</i>	meswl
<i>Coleophora mayrella</i>	1,01	<i>Trifolium</i>	meswl
<i>Coleophora albidella</i>	2,01	<i>Salix</i>	mesec
<i>Coleophora ibipennella</i>	1,03	<i>Quercus</i>	mesfo
<i>Coleophora zelleriella</i>	2,03	<i>Salix</i>	mesfo
<i>Coleophora currucipennella</i>	1,04	deciduous trees/shrubs: esp. <i>Quercus</i>	mesfo
<i>Coleophora serpylletorum</i>	2,01	<i>Thymus</i>	xerwl
<i>Coleophora auricella</i>	2,04	Lamiaceae: <i>Stachys</i> , <i>Teucrium</i>	meswl
<i>Coleophora conspicuella</i>	1,03	<i>Centaurea</i> , ?additional Asteraceae	hygw

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Coleophora ditella</i> ZELLER, 1849	+																	
<i>Coleophora ochrea</i> (HAWORTH, 1828)	+																	
<i>Coleophora ornatipennella</i> (HÜBNER, 1796)	+																	
<i>Coleophora oriolella</i> ZELLER, 1849	+																	
<i>Coleophora caespitiella</i> ZELLER, 1839																		
<i>Coleophora glaucicolella</i> WOOD, 1892																		
<i>Coleophora alticolella</i> ZELLER, 1849																		
<i>Coleophora maritimella</i> NEWMAN, 1873	!																	
<i>Coleophora versurella</i> ZELLER, 1849		+	+															
<i>Coleophora vestianella</i> (LINNAEUS, 1758)																		
<i>Coleophora follicularis</i> (VALLOT, 1802)		+																
<i>Coleophora paripennella</i> ZELLER, 1839																		
<i>Coleophora wockeella</i> ZELLER, 1849	!																	
MOMPHIDAE																		
<i>Mompha miscella</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Mompha subbistrigella</i> (HAWORTH, 1828)			+															
<i>Mompha epilobiella</i> (DENIS & SCHIFFERMÜLLER, 1775)	!	+	+	+	+													
BLASTOBASIDAE																		
<i>Blastobasis huemeri</i> SINEV, 1994			+	+	+													
<i>Blastobasis phycidella</i> (ZELLER, 1839)			+															
<i>Hypatopa inunctella</i> (ZELLER, 1839)					+													
AUTOSTICHIDAE																		
<i>Symmoca signatella</i> HERRICH-SCHÄFFER, 1855			+															
AMPHISBATIDAE																		
<i>Pseudatemelia josephinae</i> (TOLL, 1956)																		
<i>Pseudatemelia elsaе</i> SVENSSON, 1982																		
<i>Hypercallia citrinalis</i> (SCOPOLI, 1763)				+														
<i>Anchinia daphnella</i> (DENIS & SCHIFFERMÜLLER, 1775)				+														
COSMOPTERIGIDAE																		
<i>Sorhagenia lophyrella</i> (DOUGLAS, 1846)					+													
<i>Eteobalea albiapicella</i> (DUPONCHEL, 1843)	+																	
<i>Limnaecia phragmitella</i> STANTON, 1851	!																	
<i>Pyroderces argyrogrammos</i> (ZELLER, 1847)	+	+			+													
<i>Pyroderces klimeschi</i> REBEL, 1938	!																	
<i>Cosmopterix orichalcea</i> STANTON, 1861	!																	
<i>Cosmopterix scribaiella</i> (ZELLER, 1850)	!		+															
<i>Cosmopterix lienigiella</i> (LIENIG & ZELLER, 1846)	!		+															
GELECHIIDAE																		
<i>Apatetris</i> sp. A	+																	
<i>Apatetris</i> sp. B																		
<i>Paranarsia joannisiella</i> RAGONOT, 1895																		
<i>Megacraspedus</i> sp.	+																	
<i>Aristotelia subdecurtella</i> (STANTON, 1859)	!																	
<i>Chrysoesthia drurella</i> (FABRICIUS, 1775)	+																	
<i>Metzneria neuropterella</i> (ZELLER, 1839)					+													
<i>Metzneria metzneriella</i> (STANTON, 1851)					+													
<i>Metzneria aprilella</i> (HERRICH-SCHÄFFER, 1854)	+																	
<i>Apodia bifractella</i> (DUPONCHEL, 1843)			+															
<i>Argolamprotes micella</i> (DENIS & SCHIFFERMÜLLER, 1775)	!																	
<i>Monochroa cytisella</i> (CURTIS, 1837)	!																	
<i>Monochroa servella</i> (ZELLER, 1839)	!	+	+	+	+	+												
<i>Monochroa lutulentella</i> (ZELLER, 1839)	!	+	+	+	+	+												
<i>Monochroa divisella</i> (DOUGLAS, 1850)	!	+																
<i>Monochroa palustrella</i> (DOUGLAS, 1850)	!	+																

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Coleophora ditella</i>	1,06	Asteraceae: <i>Artemisia</i> , <i>Aster</i>	xerwl
<i>Coleophora ochrea</i>	1,03	<i>Helianthemum</i>	xerwl
<i>Coleophora ornatipennella</i>	2,04	Lamiaceae, Poaceae	meswl
<i>Coleophora oriolella</i>	1,09	<i>Lotus</i>	xerwl
<i>Coleophora caespitiella</i>	1,01	<i>Juncus</i>	hygwl
<i>Coleophora glaucicolella</i>	1,01	<i>Juncus acutiflorus</i> , <i>J. articulatus</i>	hygwl
<i>Coleophora alticolella</i>	1,01	Juncaceae: <i>Juncus</i> , ?Cyperaceae: <i>Eleocharis</i>	hygwl
<i>Coleophora maritimella</i>	1,03	<i>Juncus maritimus</i>	hygwl
<i>Coleophora versurella</i>	B	Chenopodiaceae: <i>Atriplex</i> , <i>Chenopodium</i>	meswl
<i>Coleophora vestianella</i>	1,04	Chenopodiaceae: <i>Atriplex</i> , <i>Chenopodium</i>	meswl
<i>Coleophora follicularis</i>	2,01	Asteraceae: <i>Eupatorium</i> , <i>Inula</i> , <i>Cirsium</i>	meswl
<i>Coleophora paripennella</i>	2,01	Asteraceae: <i>Centaurea</i> , <i>Serratula</i>	meswl
<i>Coleophora wockeella</i>	2,01	<i>Stachys officinalis</i>	hygwl
MOMPHIDAE			
<i>Mompha miscella</i>	1,03	<i>Helianthemum</i>	xerwl
<i>Mompha subbistrigella</i>	1,05	<i>Epilobium montanum</i>	mesfo
<i>Mompha epilobiella</i>	1,05	<i>Epilobium</i> , esp. <i>E. hirsutum</i>	hygwl
BLASTOBASIDAE			
<i>Blastobasis huemeri</i>	3,03	unknown	xerar
<i>Blastobasis phycidella</i>	1,09	decaying leaves/needles	mesfo
<i>Hypatopa inunctella</i>	2,01	unknown	mesfo
AUTOSTICHIDAE			
<i>Symmoca signatella</i>	1,09	unknown	xerwl
AMPHISBATIDAE			
<i>Pseudatemelia josephinae</i>	2,01	decaying leaves, lichens	mesfo
<i>Pseudatemelia elsaе</i>	1,05	unknown	?xerwl
<i>Hypercallia citrinalis</i>	1,04	<i>Polygala chamaebuxus</i>	mesfo
<i>Anchinia daphnella</i>	2,01	<i>Daphne mezereum</i>	mesfo
COSMOPTERIGIDAE			
<i>Sorhagenia lophyrella</i>	2,01	<i>Rhamnus</i>	mon
<i>Eteobalea albiapicella</i>	1,12	<i>Globularia</i>	mon
<i>Limnaecia phragmitella</i>	B	<i>Typha</i>	hygwl
<i>Pyroderces argyrogrammos</i>	1,09	Asteraceae: <i>Carlina</i> , <i>Centaurea</i> , <i>Carduus</i>	xerwl
<i>Pyroderces klimeschi</i>	2,04	unknown	hygwl
<i>Cosmopterix orichalcea</i>	1,02	Poaceae: <i>Phalaris</i> , <i>Phragmites</i> , <i>Milium</i> etc	hygwl
<i>Cosmopterix scribaiella</i>	1,02	<i>Phragmites australis</i>	hygwl
<i>Cosmopterix lienigiella</i>	1,02	<i>Phragmites australis</i>	hygwl
GELECHIIDAE			
<i>Apatetris</i> sp. A	D	unknown	?xerwl
<i>Apatetris</i> sp. B	3,01	unknown	hygwl
<i>Paranarsia joannisiella</i>	C	unknown	mesfo
<i>Megacraspedus</i> sp.	D	unknown	xerwl
<i>Aristotelia subdecurtella</i>	2,01	<i>Lythrum salicaria</i>	hygwl
<i>Chrysoesthia drurella</i>	1,01	Chenopodiaceae, Polygonaceae	meswl
<i>Metzneria neuropterella</i>	1,02	Asteraceae: <i>Carlina</i> , <i>Cirsium</i> , <i>Centaurea</i>	xerwl
<i>Metzneria metzneriella</i>	2,01	<i>Centaurea</i>	xerwl
<i>Metzneria aprilella</i>	1,03	Asteraceae: <i>Centaurea</i> , <i>Calcitrapa</i>	xerwl
<i>Apodia bifractella</i>	1,03	Asteraceae: <i>Pulicaria</i> , <i>Inula</i>	meswl
<i>Argolamprotes micella</i>	1,04	<i>Rubus</i>	mesec
<i>Monochroa cytisella</i>	1,04	<i>Pteridium aquilinum</i>	mesec
<i>Monochroa servella</i>	2,01	<i>Primula farinosa</i> , ? <i>Primula</i> spp.	hygwl
<i>Monochroa lutulentella</i>	2,01	<i>Filipendula ulmaria</i>	hygwl
<i>Monochroa divisella</i>	2,01	<i>Iris</i>	hygwl
<i>Monochroa palustrella</i>	2,01	<i>Rumex</i>	hygwl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Monochroa moyses</i> UFFEN, 1991																		
<i>Monochroa suffusella</i> (DOUGLAS, 1850)																		
<i>Monochroa nomadella</i> (ZELLER, 1868)																		
<i>Monochroa hornigi</i> (STAUDINGER, 1883)																		
<i>Eulamprotes unicolora</i> (DUPONCHEL, 1843)																		
<i>Eulamprotes atrella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Bryotropha terrella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Bryotropha similis</i> (STANTON, 1854)																		
<i>Recurvaria nanella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Recurvaria leucateila</i> (CLERCK, 1759)																		
<i>Exoteleia dodecella</i> (LINNAEUS, 1758)																		
<i>Parachronistis albiceps</i> (ZELLER, 1839)																		
<i>Teleiodes luculella</i> (HÜBNER, 1813)																		
<i>Teleiodes flavimaculella</i> (HERRICH-SCHÄFFER, 1854)																		
<i>Teleiodes sequax</i> (HAWORTH, 1828)																		
<i>Carpatolechchia fugacella</i> (ZELLER, 1839)																		
<i>Carpatolechchia alburnella</i> (ZELLER, 1843)																		
<i>Carpatolechchia proximella</i> (HÜBNER, 1796)																		
<i>Carpatolechchia aenigma</i> (SÄTTLER, 1983)																		
<i>Teleiopsis albifemorella</i> (HOFMANN, 1867)																		
<i>Pseudotelphusa scalella</i> (SCOPI, 1763)																		
<i>Pseudotelphusa tessella</i> (LINNAEUS, 1758)																		
<i>Gelechia soroculella</i> (HÜBNER, 1817)																		
<i>Gelechia basipunctella</i> HERRICH-SCHÄFFER, 1854																		
<i>Gelechia muscosella</i> ZELLER, 1839																		
<i>Mirificarma eburnella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Mirificarma lentiginosella</i> (ZELLER, 1839)																		
<i>Chionodes distinctella</i> (ZELLER, 1839)																		
<i>Chionodes electella</i> (ZELLER, 1839)																		
<i>Chionodes fumata</i> (DOUGLAS, 1850)																		
<i>Prolita solutella</i> (ZELLER, 1839)																		
<i>Scrobipalpa halonella</i> (HERRICH-SCHÄFFER, 1854)																		
<i>Scrobipalpa sp.</i>																		
<i>Scrobipalpa psilella</i> (HERRICH-SCHÄFFER, 1854)																		
<i>Cosmardia moritzella</i> (TREITSCHKE, 1835)																		
<i>Caryocolum amaurella</i> (HERING, 1924)																		
<i>Caryocolum proxima</i> (HAWORTH, 1828)																		
<i>Sophronia sicariellus</i> (ZELLER, 1839)																		
<i>Syncopacma patriella</i> (MANN, 1857)																		
<i>Syncopacma sangiella</i> (STANTON, 1863)																		
<i>Syncopacma cinctella</i> (CLERCK, 1759)																		
<i>Syncopacma wormiella</i> (WOLFF, 1958)																		
<i>Syncopacma taeniolaella</i> (ZELLER, 1839)																		
<i>Syncopacma vinella</i> (BANKES, 1898)																		
<i>Syncopacma captivella</i> (HERRICH-SCHÄFFER, 1854)																		
<i>Syncopacma polychromella</i> (REBEL, 1902)																		
<i>Aproaerema anthyllidella</i> (HÜBNER, 1813)																		
<i>Ivaruna klimeschi</i> WOLFF, 1958																		
<i>Anacamptis populella</i> (CLERCK, 1759)																		
<i>Anacamptis timidella</i> (WOCKE, 1887)																		
<i>Mesophleps silacella</i> (HÜBNER, 1796)																		
<i>Hypatima rhomboidella</i> (LINNAEUS, 1758)																		
<i>Nothris verbascella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Neofaculta ericetella</i> (GEYER, 1832)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Monochroa moyses</i>	1,12	<i>Bolboschoenus maritimus</i>	hygwl
<i>Monochroa suffusella</i>	2,03	<i>Eriophorum</i>	hygwl
<i>Monochroa nomadella</i>	2,01	unknown	xerwl
<i>Monochroa hornigi</i>	2,01	Polygonaceae: <i>Polygonum</i> , <i>Persicaria</i>	meswl
<i>Eulamprotes unicolora</i>	2,01	unknown	meswl
<i>Eulamprotes atrella</i>	2,01	<i>Hypericum</i>	meswl
<i>Bryotropha terrella</i>	1,03	moss	meswl
<i>Bryotropha similis</i>	1,04	moss	meswl
<i>Recurvaria nanella</i>	1,02	Rosaceae: <i>Malus</i> , <i>Prunus</i>	mesfo
<i>Recurvaria leucateila</i>	1,04	Rosaceae: <i>Crataegus</i> , <i>Prunus</i> , <i>Pyrus</i> etc	mesfo
<i>Exoteleia dodecella</i>	1,02	Pinaceae: <i>Pinus</i> , <i>Picea</i> , <i>Abies</i>	mesfo
<i>Parachronistis albiceps</i>	1,05	<i>Corylus</i>	mesfo
<i>Teleiodes luculella</i>	2,01	<i>Quercus</i>	mesfo
<i>Teleiodes florumaculella</i>	2,01	? <i>Quercus</i>	mesfo
<i>Teleiodes sequax</i>	1,03	<i>Helianthemum</i>	xerwl
<i>Carpatolechchia fugacella</i>	2,01	<i>Ulmus minor</i>	mesfo
<i>Carpatolechchia alburnella</i>	1,05	<i>Betula</i>	mesfo
<i>Carpatolechchia proximella</i>	1,05	Betulaceae: <i>Alnus</i> , <i>Betula</i>	mesfo
<i>Carpatolechchia aenigma</i>	2,03	unknown	?xerwl
<i>Teleiopsis albifemorella</i>	2,04	<i>Rumex scutatus</i>	alp
<i>Pseudotelphusa scalella</i>	2,01	<i>Quercus</i>	xerwl
<i>Pseudotelphusa tessella</i>	2,04	<i>Berberis vulgaris</i>	xerwl
<i>Gelechia soroculella</i>	1,05	<i>Salix</i>	mesec
<i>Gelechia basipunctella</i>	1,10	<i>Salix</i>	mesfo
<i>Gelechia muscosella</i>	2,01	<i>Salix</i>	mesfo
<i>Mirificarma eburnella</i>	1,09	Fabaceae	xerwl
<i>Mirificarma lentiginosella</i>	2,01	Fabaceae: <i>Genista</i> , <i>Laburnum</i> , <i>Chamaecytisus</i>	xerwl
<i>Chionodes distinctella</i>	1,02	unknown	meswl
<i>Chionodes electella</i>	2,01	<i>Picea</i>	mesfo
<i>Chionodes fumata</i>	1,05	moss	meswl
<i>Prolita solutella</i>	2,01	Fabaceae, Ericaceae	mesec
<i>Scrobipalpa halonella</i>	2,03	Asteraceae: <i>Artemisia</i> , <i>Centaurea</i>	xerwl
<i>Scrobipalpa sp.</i>	D	unknown	unknown
<i>Scrobipalpa psilella</i>	1,02	Asteraceae	meswl
<i>Cosmardia moritzella</i>	2,03	Caryophyllaceae: <i>Silene</i>	mesec
<i>Caryocolum amaurella</i>	2,01	Caryophyllaceae: <i>Lychnis viscaria</i> , <i>Silene nutans</i>	xerwl
<i>Caryocolum proxima</i>	1,01	Caryophyllaceae: <i>Cerastium</i> , <i>Stellaria</i>	mesfo
<i>Sophronia sicariellus</i>	2,01	Asteraceae	xerwl
<i>Syncopacma patriella</i>	2,01	Fabaceae	meswl
<i>Syncopacma sangiella</i>	2,01	<i>Lotus corniculatus</i>	xerwl
<i>Syncopacma cinctella</i>	1,03	Fabaceae: <i>Lotus corniculatus</i> etc	meswl
<i>Syncopacma wormiella</i>	2,03	Fabaceae: <i>Lotus</i> , <i>Ononis</i>	xerwl
<i>Syncopacma taeniolaella</i>	2,01	Fabaceae: <i>Lotus</i> , <i>Trifolium</i> , <i>Medicago</i>	meswl
<i>Syncopacma vinella</i>	2,01	Fabaceae: <i>Astragalus</i> , <i>Coronilla</i> , <i>Dorycnium</i>	xerwl
<i>Syncopacma captivella</i>	2,04	Fabaceae	xerwl
<i>Syncopacma polychromella</i>	3,01	Fabaceae	xerwl
<i>Aproaerema anthyllidella</i>	1,02	Fabaceae: <i>Anthyllis</i> , <i>Onobrychis</i> , <i>Trifolium</i>	meswl
<i>Ivaruna klimeschi</i>	2,04	Fabaceae: <i>Dorycnium</i> , <i>Lotus</i> , <i>Medicago</i>	xerwl
<i>Anacamptis populella</i>	1,02	Salicaceae: <i>Salix</i> , <i>Populus tremula</i>	mesfo
<i>Anacamptis timidella</i>	2,04	<i>Quercus</i>	mesfo
<i>Mesophleps silacella</i>	1,03	<i>Helianthemum</i>	xerwl
<i>Hypatima rhomboidella</i>	1,05	deciduous trees/shrubs: <i>Betula</i> , <i>Alnus</i> , <i>Populus</i> , <i>Corylus</i>	mesfo
<i>Nothris verbascella</i>	1,02	<i>Verbascum</i>	xerwl
<i>Neofaculta ericetella</i>	1,05	Ericaceae: <i>Calluna</i> , <i>Erica</i> , <i>Rhododendron</i>	mon

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Neofaculta infernella</i> (HERRICH-SCHÄFFER, 1854)	+									+	+			+				
<i>Dichomeris juniperella</i> (LINNAEUS, 1761)	+									+	+							
<i>Dichomeris ustalella</i> (FABRICIUS, 1794)			+															
<i>Dichomeris derasella</i> (DENIS & SCHIFFERMÜLLER, 1775)		+													+			
<i>Dichomeris limosellus</i> (SCHLÄGER, 1849)	+	+		+				+			+							
<i>Dichomeris rasilella</i> (HERRICH-SCHÄFFER, 1854)					+													
<i>Dichomeris alacella</i> (ZELLER, 1839)			+	+										+		+		
<i>Anasphaltis renigerellus</i> (ZELLER, 1839)	!				+													
<i>Brachmia blandella</i> (FABRICIUS, 1798)	+	+	+	+	+				+			+		+	+	+	+	+
<i>Helcystogramma triannulella</i> (HERRICH-SCHÄFFER, 1854)			+	+	+	+	+	+				+						
<i>Helcystogramma rufescens</i> (HAWORTH, 1828)	!	+	+															
<i>Helcystogramma arulensis</i> (REBEL, 1929)	!	+	+															
<i>Acompsia cinerella</i> (CLERCK, 1759)				+				+	+				+					
<i>Acompsia tripunctella</i> (DENIS & SCHIFFERMÜLLER, 1775)				+						+								
<i>Platyedra subcinerea</i> (HAWORTH, 1828)											+							
<i>Sitotroga cerealella</i> (OLIVIER, 1789)											+				+			
LIMACODIDAE																		
<i>Apoda limacodes</i> (HUFNAGEL, 1766)					+		+	+		+	+	+	+	+	+	+		
HETEROGYNIDAE																		
<i>Heterogynis penella</i> (HÜBNER, 1819)	!	+																
ZYGAENIDAE																		
<i>Jordanita notata</i> (ZELLER, 1847)		+			+												+	
<i>Zygaena cynarae</i> (ESPER, 1789)						+												
<i>Zygaena purpuralis</i> (BRÜNNICH, 1763)							+						+					
<i>Zygaena carniolica</i> (SCOPOLI, 1763)								+										
<i>Zygaena loti</i> (DENIS & SCHIFFERMÜLLER, 1775)				+			+											
<i>Zygaena viciae</i> (DENIS & SCHIFFERMÜLLER, 1775)								+					+					
<i>Zygaena transalpina</i> (ESPER, 1781)								+					+					
<i>Zygaena filipendulae</i> (LINNAEUS, 1758)	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+
<i>Zygaena loniceræ</i> (SCHEVEN, 1777)				+				+										
COSSIDAE																		
<i>Cossus cossus</i> (LINNAEUS, 1758)	+	+			+							+						
<i>Parahypopta caestrum</i> (HÜBNER, 1808)																		
<i>Dyspessa ulula</i> (BORKHAUSEN, 1820)	+						+				+	+						
<i>Zeuzera pyrina</i> (LINNAEUS, 1761)	+	+	+	+	+						+	+	+	+	+	+	+	+
<i>Phragmataecia castaneae</i> (HÜBNER, 1790)	!		+									+	+	+	+	+	+	+
TORTRICIDAE																		
<i>Phtheochroa inopiana</i> (HAWORTH, 1811)		+	+								+	+	+	+	+	+	+	+
<i>Phtheochroa fulvicinctana</i> (CONSTANT, 1893)	!																	
<i>Cochylimorpha meridiana</i> (STAUDINGER, 1859)	+																	
<i>Cochylimorpha jucundana</i> (TREITSCHKE, 1835)	!	+																
<i>Phalonidia manniana</i> (FISCHER VON RÖSLERSTAMM, 1839)			+	+								+	+	+	+	+	+	+
<i>Phalonidia affinitana</i> (DOUGLAS, 1846)																+		
<i>Phalonidia contractana</i> (ZELLER, 1847)																+	+	
<i>Gynnidomorpha vectisana</i> (HUMPHREYS & WESTWOOD, 1845)			+															
<i>Gynnidomorpha permixtana</i> (DENIS & SCHIFFERMÜLLER, 1775)	!			+														
<i>Gynnidomorpha alismiana</i> (RAGONOT, 1883)	!																	
<i>Agapeta hamana</i> (LINNAEUS, 1758)		+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Agapeta zoegana</i> (LINNAEUS, 1767)		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Eupoecilia sanguisorbana</i> (HERRICH-SCHÄFFER, 1856)	!		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Aethes hartmanniana</i> (CLERCK, 1759)						+												
<i>Aethes enicana</i> (WESTWOOD, 1854)							+											
<i>Cochylidia rupicola</i> (CURTIS, 1834)			+															
<i>Cochylidia heydeniana</i> (HERRICH-SCHÄFFER, 1851)	+							+				+	+					

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Neofaculta infernella</i>	1,01	deciduous trees/shrubs: Ericaceae, Betulaceae	mon
<i>Dichomeris juniperella</i>	1,03	<i>Juniperus communis</i>	mesec
<i>Dichomeris ustalella</i>	1,04	deciduous trees/shrubs	mesfo
<i>Dichomeris derasella</i>	2,01	Rosaceae: <i>Prunus</i> , <i>Sorbus</i>	mesfo
<i>Dichomeris limosellus</i>	1,04	Fabaceae: <i>Lotus</i> , <i>Trifolium</i>	meswl
<i>Dichomeris rasilella</i>	1,04	Asteraceae: <i>Artemisia</i> , <i>Centaurea</i>	xerwl
<i>Dichomeris alacella</i>	1,03	lichens, moss	mesec
<i>Anasphaltis renigerellus</i>	2,03	Lamiaceae: <i>Melissa</i> , <i>Melittis</i>	xerwl
<i>Brachmia blandella</i>	2,01	Fabaceae	hygwl
<i>Helcystogramma triannulella</i>	1,04	<i>Convolvulus</i>	xerwl
<i>Helcystogramma rufescens</i>	1,04	Poaceae: <i>Poa</i> , <i>Arrhenatherum</i> etc	mesec
<i>Helcystogramma arulensis</i>	2,04	<i>Bupthalmum salicifolium</i>	xerwl
<i>Acompsia cinerella</i>	1,05	moss	mesec
<i>Acompsia tripunctella</i>	2,03	?moss	mon
<i>Platyedra subcinerea</i>	1,02	Malvaceae: <i>Malva</i> , <i>Althaea</i>	meswl
<i>Sitotroga cerealella</i>	B	Poaceae	ubiq
LIMACODIDAE			
<i>Apoda limacodes</i>	2,01	deciduous trees/shrubs: esp. <i>Quercus</i>	mesfo
HETEROGYNIDAE			
<i>Heterogynis penella</i>	3,01	<i>Genista</i>	xerwl
ZYGAENIDAE			
<i>Jordanita notata</i>	1,09	<i>Centaurea stoebe</i>	xerwl
<i>Zygaena cynarae</i>	1,07	Apiaceae: <i>Peucedanum</i> , <i>Pastinaca</i> , <i>Seseli</i>	xerwl
<i>Zygaena purpuralis</i>	1,05	<i>Thymus</i>	meswl
<i>Zygaena carniolica</i>	1,06	Fabaceae: <i>Dorycnium</i> , <i>Onobrychis</i> etc.	xerwl
<i>Zygaena loti</i>	1,05	Fabaceae: <i>Coronilla</i> , <i>Hippocrepis</i> etc	meswl
<i>Zygaena viciae</i>	1,05	Fabaceae: <i>Vicia</i> , <i>Lotus</i> , <i>Onobrychis</i>	hygwl
<i>Zygaena transalpina</i>	2,01	Fabaceae: <i>Lotus</i> , <i>Coronilla</i> , <i>Hippocrepis</i>	meswl
<i>Zygaena filipendulae</i>	1,10	Fabaceae: <i>Lotus corniculatus</i> , <i>Coronilla</i>	meswl
<i>Zygaena loniceræ</i>	1,05	Fabaceae: <i>Lotus</i> , <i>Onobrychis</i> , <i>Trifolium</i>	meswl
COSSIDAE			
<i>Cossus cossus</i>	1,02	deciduous trees/shrubs: <i>Salix</i> , <i>Populus</i> , <i>Betula</i> etc	mesfo
<i>Parahypopta caestrum</i>	1,10	<i>Asparagus</i>	xerwl
<i>Dyspessa ulula</i>	1,09	<i>Allium</i>	xerwl
<i>Zeuzera pyrina</i>	1,02	deciduous trees/shrubs: <i>Fraxinus</i> , <i>Ulmus</i> , <i>Populus</i> etc	mesfo
<i>Phragmataecia castaneae</i>	1,02	<i>Phragmites australis</i>	hygwl
TORTRICIDAE			
<i>Phtheochroa inopiana</i>	1,01	Asteraceae: <i>Pulicaria</i> , <i>Artemisia</i>	hygwl
<i>Phtheochroa fulvicinctana</i>	3,01	<i>Limonium</i>	hygwl
<i>Cochylimorpha meridiana</i>	1,07	unknown	xerwl
<i>Cochylimorpha jucundana</i>	2,04	unknown	xerwl
<i>Phalonidia manniana</i>	1,05	Lamiaceae: <i>Mentha aquatica</i> , <i>Lycopus</i>	hygwl
<i>Phalonidia affinitana</i>	2,01	<i>Aster tripolium</i>	hygwl
<i>Phalonidia contractana</i>	1,06	Asteraceae: <i>Artemisia</i> , <i>Inula</i> , <i>Lactuca</i>	xerwl
<i>Gynnidomorpha vectisana</i>	1,04	<i>Plantago</i> , <i>Salicornia</i>	hygwl
<i>Gynnidomorpha permixtana</i>	1,04	Scrophulariaceae: <i>Euphrasia</i> , <i>Pedicularis</i>	hygwl
<i>Gynnidomorpha alismiana</i>	2,01	<i>Alisma plantago-aquatica</i>	hygwl
<i>Agapeta hamana</i>	1,03	Asteraceae: <i>Carduus</i> , <i>Cirsium</i>	xerwl
<i>Agapeta zoegana</i>	1,03	<i>Centaurea</i> , ? <i>Scabiosa</i>	meswl
<i>Eupoecilia sanguisorbana</i>	2,01	<i>Sanguisorba officinalis</i>	hygwl
<i>Aethes hartmanniana</i>	2,01	Dipsacaceae	meswl
<i>Aethes enicana</i>	1,05	Asteraceae: <i>Cirsium</i> , <i>Carduus</i>	meswl
<i>Cochylidia rupicola</i>	2,01	Asteraceae: <i>Eupatorium</i> , <i>Aster</i> , <i>Lycopus</i>	mesec
<i>Cochylidia heydeniana</i>	2,01	<i>Erigeron</i>	mesec

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Cochylidia implicitana</i> (WOCKE, 1856)																		
<i>Falseuncaria ruficiliana</i> (HAWORTH, 1811)	+																	
<i>Spatalistis bifasciana</i> (HÜBNER, 1787)																		
<i>Tortrix viridana</i> (LINNAEUS, 1758)	+																	
<i>Aleimma loeflingiana</i> (LINNAEUS, 1758)																		
<i>Acleris forsskaeana</i> (LINNAEUS, 1758)																		
<i>Acleris laterana</i> (FABRICIUS, 1794)																		
<i>Acleris schalleriana</i> (LINNAEUS, 1761)																		
<i>Acleris variegana</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Acleris hastiana</i> (LINNAEUS, 1758)																		
<i>Acleris aspersana</i> (HÜBNER, 1817)																		
<i>Acleris ferrugana</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Acleris kochiella</i> (GOEZE, 1783)																		
<i>Eana osseana</i> (SCOPOLI, 1763)																		
<i>Eana argentana</i> (CLERCK, 1759)																		
<i>Eana incanana</i> (STEPHENS, 1852)																		
<i>Eana cyanescana</i> (REAL, 1953)																		
<i>Eana penziana</i> (THUNBERG, 1791)																		
<i>Cnephasia incertana</i> (TREITSCHKE, 1835)																		
<i>Cnephasia stephensiana</i> (DOUBLEDAY, 1849)																		
<i>Cnephasia asseclana</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Cnephasia genitalana</i> PIERCE & METCALFE, 1915																		
<i>Cnephasia eculliana</i> REAL, 1951																		
<i>Sparganothis pilleriana</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Eulia ministrana</i> (LINNAEUS, 1758)																		
<i>Pseudargyrotoza conwagana</i> (FABRICIUS, 1775)																		
<i>Ditula angustiorana</i> (HAWORTH, 1811)																		
<i>Epagoge grotiana</i> (FABRICIUS, 1781)																		
<i>Paramesia gnomana</i> (CLERCK, 1759)																		
<i>Philedone gerningana</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Archips oporana</i> (LINNAEUS, 1758)																		
<i>Archips podana</i> (SCOPOLI, 1763)																		
<i>Archips crataegana</i> (HÜBNER, 1799)																		
<i>Archips xylosteana</i> (LINNAEUS, 1758)																		
<i>Choristoneura lafauryana</i> (RAGONOT, 1875)																		
<i>Argyrotaenia lungiana</i> (THUNBERG, 1797)																		
<i>Ptycholomoides aeriferana</i> (HERRICH-SCHÄFFER, 1851)																		
<i>Ptycholoma lecheana</i> (LINNAEUS, 1758)																		
<i>Pandemis cinnamomeana</i> (TREITSCHKE, 1830)																		
<i>Pandemis corylana</i> (FABRICIUS, 1794)																		
<i>Pandemis cerasana</i> (HÜBNER, 1786)																		
<i>Pandemis heparana</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Pandemis dumetana</i> (TREITSCHKE, 1835)																		
<i>Cacoecimorpha pronubana</i> (HÜBNER, 1799)																		
<i>Aphelia paleana</i> (HÜBNER, 1793)																		
<i>Dichelia histrionana</i> (FRÖLICH, 1828)																		
<i>Cleptis rurinana</i> (LINNAEUS, 1758)																		
<i>Cleptis pallidana</i> (FABRICIUS, 1776)																		
<i>Adoxophyes orana</i> (FISCHER VON RÖSLERSTAMM, 1834)																		
<i>Bactra lancealana</i> (HÜBNER, 1799)																		
<i>Bactra venosana</i> (ZELLER, 1847)																		
<i>Endothenia oblongana</i> (HAWORTH, 1811)																		
<i>Endothenia marginana</i> (HAWORTH, 1811)																		
<i>Endothenia ustulana</i> (HAWORTH, 1811)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Cochylidia implicitana</i>	1,03	Asteraceae	xerwl
<i>Falseuncaria ruficiliana</i>	1,05	herbs: esp. <i>Primula</i>	meswl
<i>Spatalistis bifasciana</i>	2,01	Rhamnaceae: <i>Rhamnus</i> , <i>Frangula</i>	mesfo
<i>Tortrix viridana</i>	1,03	deciduous trees/shrubs: esp. <i>Quercus</i> , rarely <i>Pinus</i>	mesfo
<i>Aleimma loeflingiana</i>	1,03	deciduous trees/shrubs: esp. <i>Quercus</i> , <i>Carpinus</i> , <i>Acer</i>	mesfo
<i>Acleris forsskaeana</i>	2,01	<i>Acer pseudoplatanus</i> , <i>A. campestre</i>	mesfo
<i>Acleris laterana</i>	1,04	deciduous trees/shrubs, herbs	mesfo
<i>Acleris schalleriana</i>	1,01	<i>Viburnum</i>	mesfo
<i>Acleris variegana</i>	1,01	deciduous trees/shrubs: esp. Rosaceae	mesfo
<i>Acleris hastiana</i>	1,01	Salicaceae	mesfo
<i>Acleris aspersana</i>	1,05	Rosaceae: <i>Filipendula</i> , <i>Potentilla</i> , <i>Rubus</i>	hygw
<i>Acleris ferrugana</i>	2,01	Fagaceae: <i>Quercus</i> , Salicaceae: <i>Salix</i>	mesfo
<i>Acleris kochiella</i>	1,05	<i>Ulmus</i>	mesfo
<i>Eana osseana</i>	1,01	herbs, grass	mon
<i>Eana argentana</i>	1,01	herbs, grass, moss, <i>Pinus</i>	meswl
<i>Eana incanana</i>	1,05	<i>Chrysanthemum</i>	meswl
<i>Eana cyanescana</i>	2,03	unknown	?xerwl
<i>Eana penziana</i>	2,01	Poaceae: esp. <i>Festuca</i>	xerwl
<i>Cnephasia incertana</i>	1,03	herbs, grass, deciduous trees/shrubs, conifers	ubiq
<i>Cnephasia stephensiana</i>	1,02	herbs, grass	ubiq
<i>Cnephasia asseclana</i>	1,03	herbs, grass, deciduous trees/shrubs, conifers	ubiq
<i>Cnephasia genitalana</i>	2,01	herbs	meswl
<i>Cnephasia eculliana</i>	2,04	unknown	?xerwl
<i>Sparganothis pilleriana</i>	1,01	herbs, rarely deciduous trees/shrubs	hygw
<i>Eulia ministrana</i>	1,01	deciduous trees/shrubs: <i>Quercus</i> , <i>Alnus</i> , <i>Betula</i> , <i>Tilia</i>	mesfo
<i>Pseudargyrotoza conwagana</i>	1,04	Oleaceae: <i>Fraxinus</i> , <i>Ligustrum</i>	mesfo
<i>Ditula angustiorana</i>	1,03	deciduous trees/shrubs	xerwl
<i>Epagoge grotiana</i>	2,01	deciduous trees/shrubs: esp. <i>Quercus</i>	mesfo
<i>Paramesia gnomana</i>	2,01	deciduous trees/shrubs, herbs	mesec
<i>Philedone gerningana</i>	1,05	herbs, conifers	mon
<i>Archips oporana</i>	1,01	Pinaceae: <i>Pinus</i> , <i>Picea</i> , Cupressaceae	mesfo
<i>Archips podana</i>	2,01	deciduous trees/shrubs, conifers, herbs	mesfo
<i>Archips crataegana</i>	1,02	deciduous trees/shrubs	mesfo
<i>Archips xylosteana</i>	1,04	deciduous trees/shrubs, conifers, herbs	mesfo
<i>Choristoneura lafauryana</i>	1,04	deciduous trees/shrubs	mesfo
<i>Argyrotaenia lungiana</i>	1,02	herbs, deciduous trees/shrubs, conifers	mesec
<i>Ptycholomoides aeriferana</i>	1,02	<i>Larix</i>	mesfo
<i>Ptycholoma lecheana</i>	1,04	deciduous trees/shrubs	mesfo
<i>Pandemis cinnamomeana</i>	1,05	deciduous trees/shrubs, conifers, herbs	mesfo
<i>Pandemis corylana</i>	1,05	deciduous trees/shrubs, conifers, herbs	mesfo
<i>Pandemis cerasana</i>	1,04	deciduous trees/shrubs, conifers, herbs	mesfo
<i>Pandemis heparana</i>	1,04	deciduous trees/shrubs, herbs	mesfo
<i>Pandemis dumetana</i>	1,04	deciduous trees/shrubs, herbs	hygw
<i>Cacoecimorpha pronubana</i>	1,03	herbs, deciduous trees/shrubs	mesec
<i>Aphelia paleana</i>	1,05	deciduous trees/shrubs, conifers, grass, herbs	meswl
<i>Dichelia histrionana</i>	2,01	Pinaceae: <i>Picea</i> , <i>Abies</i>	mesfo
<i>Cleptis rurinana</i>	1,04	deciduous trees/shrubs	mesfo
<i>Cleptis pallidana</i>	1,05	herbs	xerwl
<i>Adoxophyes orana</i>	1,04	deciduous trees/shrubs, herbs	mesec
<i>Bactra lancealana</i>	1,01	Juncaceae, Cyperaceae: <i>Eleocharis</i> , <i>Cyperus</i>	hygw
<i>Bactra venosana</i>	4,01	?Juncaceae, ?Cyperaceae	hygw
<i>Endothenia oblongana</i>	2,01	herbs	xerwl
<i>Endothenia marginana</i>	1,05	Scrophulariaceae, Lamiaceae	meswl
<i>Endothenia ustulana</i>	1,04	<i>Ajuga reptans</i>	xerwl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Endothenia lapideana</i> (HERRICH-SCHÄFFER, 1851)					+													
<i>Endothenia ericetana</i> (HUMPHREYS & WESTWOOD, 1845)																		
<i>Endothenia quadrimaculana</i> (HAWORTH, 1811)		+																
<i>Aterpia corticana</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Aterpia circumfluxana</i> (CHRISTOPH, 1881)								+										
<i>Pseudosciaphila branderiana</i> (LINNAEUS, 1758)																		
<i>Apotomis semifasciana</i> (HAWORTH, 1811)								+										
<i>Apotomis infida</i> (HEINRICH, 1926)					+													
<i>Apotomis capreana</i> (HÜBNER, 1817)																		
<i>Apotomis sororculana</i> (ZETTERSTEDT, 1839)										+								
<i>Apotomis sauciana</i> (FRÖLICH, 1828)											+							
<i>Hedya salicella</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hedya nubiferana</i> (HAWORTH, 1811)					+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hedya pruniana</i> (HÜBNER, 1799)											+							
<i>Hedya ochroleucana</i> (FRÖLICH, 1828)						+												
<i>Metendothenia atropunctana</i> (ZETTERSTEDT, 1839)						+					+	+						
<i>Celypha rufana</i> (SCOPOLI, 1763)										+								
<i>Celypha striana</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Celypha flavipalpana</i> (HERRICH-SCHÄFFER, 1851)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Celypha cespitana</i> (HÜBNER, 1817)											+							
<i>Celypha woodiana</i> (BARRETT, 1882)																+		
<i>Celypha lacunana</i> (DENIS & SCHIFFERMÜLLER, 1775)		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Celypha rivulana</i> (SCOPOLI, 1763)						+		+	+	+	+	+	+	+	+	+	+	+
<i>Celypha doubledayana</i> (BARRETT, 1872)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Celypha aurofasciana</i> (HAWORTH, 1811)								+										
<i>Phiaris palustrana</i> (LIENIG & ZELLER, 1846)	+										+							
<i>Phiaris bipunctana</i> (FABRICIUS, 1794)										+								
<i>Olethreutes arcuella</i> (CLERCK, 1759)						+												
<i>Piniphila bifasciana</i> (HAWORTH, 1811)						+					+							
<i>Lobesia botrana</i> (DENIS & SCHIFFERMÜLLER, 1775)		+	+															
<i>Lobesia reliquana</i> (HÜBNER, 1825)				+												+		
<i>Lobesia bicinctana</i> (DUPONCHEL, 1844)	+																	
<i>Thiodia trochilana</i> (FRÖLICH, 1828)	+																	
<i>Rhopobota ustomaculana</i> (CURTIS, 1831)										+								
<i>Rhopobota naevana</i> (HÜBNER, 1817)										+								
<i>Spilonota ocellana</i> (DENIS & SCHIFFERMÜLLER, 1775)		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Spilonota laricana</i> (HEINEMANN, 1863)										+							+	
<i>Gibberifera simplana</i> (FISCHER V. RÖSLERSTAMM, 1836)						+												
<i>Epinotia solandriana</i> (LINNAEUS, 1758)												+						
<i>Epinotia abbreviana</i> (FABRICIUS, 1794)		+				+	+					+						
<i>Epinotia immundana</i> (FISCHER VON RÖSLERSTAMM, 1839)													+					
<i>Epinotia thapsiana</i> (ZELLER, 1847)	+																	
<i>Epinotia nanana</i> (TREITSCHKE, 1835)					+													
<i>Epinotia huebneriana</i> Kocak, 1980						+												
<i>Epinotia subocellana</i> (DONOVAN, 1806)												+						
<i>Epinotia tenerana</i> (DENIS & SCHIFFERMÜLLER, 1775)						+						+						
<i>Epinotia tedella</i> (CLERCK, 1759)						+						+						
<i>Epinotia bilunana</i> (HAWORTH, 1811)						+						+						
<i>Epinotia nisella</i> (CLERCK, 1759)		+																
<i>Zeiraphera griseana</i> (HÜBNER, 1799)						+										+		
<i>Zeiraphera ratzeburgiana</i> (SAXESON, 1840)										+								
<i>Zeiraphera isertana</i> (FABRICIUS, 1794)						+					+			+	+	+		
<i>Crociosema plebejana</i> ZELLER, 1847															+			
<i>Pelochrista caecimaculana</i> (HÜBNER, 1799)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Endothenia lapideana</i>	2,03	<i>Digitalis grandiflora</i>	mon
<i>Endothenia ericetana</i>	1,05	Lamiaceae: <i>Stachys</i> , <i>Mentha</i>	hygw
<i>Endothenia quadrimaculana</i>	1,05	Lamiaceae: <i>Stachys</i> , ? <i>Mentha</i>	hygw
<i>Aterpia corticana</i>	2,01	deciduous trees/shrubs: <i>Betula</i> , <i>Salix</i> , <i>Populus</i>	mon
<i>Aterpia circumfluxana</i>	1,05	unknown	?mesec
<i>Pseudosciaphila branderiana</i>	1,01	<i>Populus tremula</i>	mesec
<i>Apotomis semifasciana</i>	1,05	<i>Salix</i>	mesfo
<i>Apotomis infida</i>	1,01	<i>Salix</i>	mesfo
<i>Apotomis capreana</i>	1,01	<i>Salix caprea</i>	mesfo
<i>Apotomis sororculana</i>	1,05	<i>Betula</i>	mesfo
<i>Apotomis sauciana</i>	2,01	<i>Vaccinium</i>	mon
<i>Hedya salicella</i>	1,05	Salicaceae: esp. <i>Salix alba</i> , rarely <i>Populus</i>	mesfo
<i>Hedya nubiferana</i>	1,01	deciduous trees/shrubs (esp. Rosaceae), herbs	mesec
<i>Hedya pruniana</i>	1,05	Rosaceae, ? <i>Salix</i> etc	mesec
<i>Hedya ochroleucana</i>	1,01	<i>Rosa</i>	mesec
<i>Metendothenia atropunctana</i>	1,01	deciduous trees/shrubs	mesfo
<i>Celypha rufana</i>	1,04	herbs: <i>Tanacetum</i> , <i>Artemisia</i>	xerwl
<i>Celypha striana</i>	1,05	<i>Taraxacum</i>	meswl
<i>Celypha flavipalpana</i>	1,05	herbs	xerwl
<i>Celypha cespitana</i>	1,01	herbs	meswl
<i>Celypha woodiana</i>	1,12	<i>Viscum</i>	mesfo
<i>Celypha lacunana</i>	1,05	herbs, deciduous trees/shrubs	ubiq
<i>Celypha rivulana</i>	1,05	herbs, deciduous trees/shrubs	meswl
<i>Celypha doubledayana</i>	1,05	unknown	hygw
<i>Celypha aurofasciana</i>	1,05	moss on old trees	mesfo
<i>Phiaris palustrana</i>	1,01	moss	hygw
<i>Phiaris bipunctana</i>	1,05	Ericaceae, Pyrolaceae	mon
<i>Olethreutes arcuella</i>	1,04	decaying leaves	mesec
<i>Piniphila bifasciana</i>	1,04	<i>Pinus sylvestris</i>	mesfo
<i>Lobesia botrana</i>	1,04	deciduous shrubs	mesec
<i>Lobesia reliquana</i>	1,04	deciduous trees/shrubs: <i>Quercus</i> , <i>Prunus</i> , <i>Betula</i>	mesfo
<i>Lobesia bicinctana</i>	1,01	<i>Allium</i>	xerwl
<i>Thiodia trochilana</i>	1,03	Lamiaceae: <i>Teucrium</i> , <i>Dorycnium</i>	xerwl
<i>Rhopobota ustomaculana</i>	1,05	<i>Vaccinium vitis idaea</i> , ? <i>V. myrtillus</i>	mesfo
<i>Rhopobota naevana</i>	1,05	deciduous trees/shrubs: Rosaceae, <i>Rhamnus</i> , <i>Vaccinium</i>	mesfo
<i>Spilonota ocellana</i>	1,01	deciduous trees/shrubs, conifers	mesfo
<i>Spilonota laricana</i>	1,01	<i>Larix</i>	mesfo
<i>Gibberifera simplana</i>	1,05	Salicaceae: esp. <i>Populus tremula</i>	mesfo
<i>Epinotia solandriana</i>	1,01	deciduous trees/shrubs: <i>Alnus</i> , <i>Betula</i> , <i>Salix</i> , <i>Acer</i> etc	mesfo
<i>Epinotia abbreviana</i>	2,01	Ulmaceae: <i>Ulmus</i> , rarely Aceraceae: <i>Acer</i>	mesfo
<i>Epinotia immundana</i>	1,05	Betulaceae: <i>Betula</i> , <i>Alnus</i>	mesfo
<i>Epinotia thapsiana</i>	1,02	herbs: Apiaceae, <i>Ligustrum</i>	xerwl
<i>Epinotia nanana</i>	1,01	<i>Picea abies</i>	mesfo
<i>Epinotia huebneriana</i>	1,05	<i>Rubus</i>	mesec
<i>Epinotia subocellana</i>	1,05	<i>Salix</i>	mesfo
<i>Epinotia tenerana</i>	1,05	Betulaceae: <i>Alnus</i> , Corylaceae: <i>Corylus</i>	mesfo
<i>Epinotia tedella</i>	1,05	<i>Picea abies</i>	mesfo
<i>Epinotia bilunana</i>	1,05	<i>Betula</i>	mesfo
<i>Epinotia nisella</i>	1,01	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Zeiraphera griseana</i>	1,04	<i>Larix</i>	mesfo
<i>Zeiraphera ratzeburgiana</i>	1,01	Pinaceae: <i>Picea</i> , <i>Pinus</i> , <i>Abies</i>	mesfo
<i>Zeiraphera isertana</i>	2,01	<i>Quercus</i>	mesfo
<i>Crociosema plebejana</i>	B	Malvaceae, woody Rosaceae	xerwl
<i>Pelochrista caecimaculana</i>	1,02	<i>Centaurea</i>	hygw

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Pelochrista mollitana</i> (ZELLER, 1847)	+	+																
<i>Eucosma obumbratana</i> (LIENIG & ZELLER, 1846)	+							+										
<i>Eucosma scorzonera</i> (BENANDER, 1942)																		
<i>Eucosma cana</i> (HAWORTH, 1811)					+	+		+	+		+	+						+
<i>Eucosma hohenwartiana</i> (DENIS & SCHIFFERMÜLLER, 1775)	+		+	+	+	+		+	+		+	+						
<i>Eucosma scutana</i> (CONSTANT, 1893)			+									+						
<i>Eucosma albidulana</i> (HERRICH-SCHÄFFER, 1851)								+										
<i>Eucosma metzneriana</i> (TREITSCHKE, 1830)											+							
<i>Eucosma conterminana</i> (GUENÉE, 1845)			+	+														
<i>Eucosma gradensis</i> (GALVAGNI, 1909)	!															+		
<i>Gypsonoma imparana</i> MÜLLER-RUTZ, 1914		+																
<i>Gypsonoma minutana</i> (HÜBNER, 1799)	!	+	+	+												+	+	
<i>Gypsonoma dealbana</i> (FRÖLICH, 1828)			+						+			+		+	+			
<i>Gypsonoma sociana</i> (HAWORTH, 1811)		+	+									+						+
<i>Gypsonoma aceriana</i> (DUPONCHEL, 1843)			+			+	+				+				+			
<i>Epiblema sticticana</i> (FABRICIUS, 1794)			+									+						
<i>Epiblema cnicolana</i> (ZELLER, 1847)		+																
<i>Epiblema foenella</i> (LINNAEUS, 1758)		+	+					+				+		+	+			+
<i>Epiblema grandaevana</i> (LIENIG & ZELLER, 1846)		+		+					+					+				
<i>Notocelia cynosbatella</i> (LINNAEUS, 1758)																		
<i>Notocelia uddmanniana</i> (LINNAEUS, 1758)		+	+	+							+	+		+	+	+	+	
<i>Notocelia roborana</i> (DENIS & SCHIFFERMÜLLER, 1775)												+						
<i>Notocelia rosaeolana</i> (DOUBLEDAY, 1850)			+		+				+			+						
<i>Ancylis laetana</i> (FABRICIUS, 1775)	!	+		+	+			+			+					+	+	+
<i>Ancylis obtusana</i> (HAWORTH, 1811)		+	+	+										+	+	+		
<i>Ancylis comptana</i> (FRÖLICH, 1828)		+																
<i>Ancylis geminana</i> (DONOVAN, 1806)		+																
<i>Ancylis subarcuana</i> (DOUGLAS, 1847)		+																
<i>Ancylis diminutana</i> (HAWORTH, 1811)	!	+	+	+										+	+	+		
<i>Ancylis selenana</i> (GUENÉE, 1845)														+				
<i>Ancylis unculana</i> (HAWORTH, 1811)		+	+	+	+			+	+							+	+	
<i>Ancylis myrtillana</i> (TREITSCHKE, 1830)				+														
<i>Ancylis apicella</i> (DENIS & SCHIFFERMÜLLER, 1775)		+	+	+	+			+			+	+	+	+	+			
<i>Ancylis paludana</i> BARRETT, 1886	!	+																
<i>Ancylis badiana</i> (DENIS & SCHIFFERMÜLLER, 1775)				+					+									
<i>Ancylis achatana</i> (DENIS & SCHIFFERMÜLLER, 1775)		+																
<i>Ancylis mitterbacheriana</i> (DENIS & SCHIFFERMÜLLER, 1775)								+				+						
<i>Cydia pomonella</i> (LINNAEUS, 1758)															+	+		
<i>Cydia exquisitana</i> (REBEL, 1889)																		
<i>Cydia splendana</i> (HÜBNER, 1799)			+	+	+							+		+	+			
<i>Cydia fagiglandana</i> (ZELLER, 1841)		+										+						
<i>Cydia amplana</i> (HÜBNER, 1799)											+	+	+	+	+			
<i>Lathronympha strigana</i> (FABRICIUS, 1775)				+					+	+								
<i>Grapholita compositella</i> (FABRICIUS, 1775)										+								
<i>Grapholita delineana</i> (WALKER, 1863)		+																
<i>Pammene amygdalana</i> (DUPONCHEL, 1842)															+			
<i>Pammene fasciana</i> (LINNAEUS, 1761)								+										
<i>Strophedra nitidana</i> (FABRICIUS, 1794)					+						+							
<i>Dichrorampha simpliciana</i> (HAWORTH, 1811)	+			+				+			+						+	
<i>Dichrorampha vancouverana</i> McDUNNOUGH, 1935								+										
<i>Dichrorampha alpinana</i> (TREITSCHKE, 1830)												+						
<i>Dichrorampha petiverella</i> (LINNAEUS, 1758)															+			
CHOREUTIDAE																		
<i>Anthophila fabriciana</i> (LINNAEUS, 1767)										+								

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Pelochrista mollitana</i>	2,04	unknown	xerwl
<i>Eucosma obumbratana</i>	1,04	Asteraceae: <i>Centaurea</i> , <i>Sonchus</i>	meswl
<i>Eucosma scorzonera</i>	2,03	<i>Scorzonera</i>	xerwl
<i>Eucosma cana</i>	1,04	Asteraceae: <i>Cirsium</i> , <i>Carduus</i> , <i>Centaurea</i>	meswl
<i>Eucosma hohenwartiana</i>	1,02	Asteraceae: <i>Centaurea</i> , ? <i>Serratula</i>	meswl
<i>Eucosma scutana</i>	2,04	<i>Serratula tinctoria</i>	hygw
<i>Eucosma albidulana</i>	1,08	Asteraceae: <i>Serratula</i> , <i>Gnaphalium</i> , <i>Centaurea</i>	xerwl
<i>Eucosma metzneriana</i>	1,02	<i>Artemisia</i>	xerwl
<i>Eucosma conterminana</i>	1,04	<i>Lactuca</i>	meswl
<i>Eucosma gradensis</i>	C	unknown	hygw
<i>Gypsonoma imparana</i>	2,03	<i>Salix viminalis</i>	mesfo
<i>Gypsonoma minutana</i>	1,04	<i>Populus</i>	mesfo
<i>Gypsonoma dealbana</i>	1,05	deciduous trees/shrubs: <i>Crataegus</i> , <i>Quercus</i> , <i>Salix</i> etc	mesfo
<i>Gypsonoma sociana</i>	1,05	Salicaceae: <i>Populus</i> , rarely <i>Salix</i>	mesfo
<i>Gypsonoma aceriana</i>	1,03	deciduous trees/shrubs	mesfo
<i>Epiblema sticticana</i>	1,04	Asteraceae: <i>Tussilago</i> , rarely <i>Petasites</i>	meswl
<i>Epiblema cnicolana</i>	2,04	<i>Pulicaria</i>	meswl
<i>Epiblema foenella</i>	1,04	<i>Artemisia</i>	xerwl
<i>Epiblema grandaevana</i>	1,05	Asteraceae: <i>Tussilago</i> , <i>Petasites</i>	mesec
<i>Notocelia cynosbatella</i>	1,05	<i>Rosa</i>	mesfo
<i>Notocelia uddmanniana</i>	1,03	<i>Rubus</i>	mesec
<i>Notocelia roborana</i>	1,04	<i>Rosa</i>	mesfo
<i>Notocelia rosaeolana</i>	1,04	<i>Rosa</i>	mesfo
<i>Ancylis laetana</i>	1,05	<i>Populus tremula</i>	mesfo
<i>Ancylis obtusana</i>	1,04	Rosaceae, Rhamnaceae	mesec
<i>Ancylis comptana</i>	1,01	herbs: <i>Potentilla</i> , <i>Teucrium</i>	meswl
<i>Ancylis geminana</i>	1,02	<i>Salix</i>	mesfo
<i>Ancylis subarcuana</i>	D	<i>Salix</i>	mesfo
<i>Ancylis diminutana</i>	2,03	<i>Salix</i>	mesfo
<i>Ancylis selenana</i>	1,04	Rosaceae: <i>Crataegus</i> , <i>Prunus</i> , <i>Pyrus</i>	xerac
<i>Ancylis unculana</i>	1,04	Rhamnaceae: <i>Frangula</i> , <i>Rhamnus</i>	mesec
<i>Ancylis myrtillana</i>	1,05	<i>Vaccinium</i>	mesfo
<i>Ancylis apicella</i>	1,05	deciduous trees/shrubs: <i>Frangula</i> , <i>Betula</i> , <i>Prunus</i>	mesfo
<i>Ancylis paludana</i>	1,01	<i>Lathyrus</i>	hygw
<i>Ancylis badiana</i>	1,04	Fabaceae: <i>Vicia</i> , <i>Lathyrus</i> , <i>Trifolium</i>	meswl
<i>Ancylis achatana</i>	2,01	Rosaceae: <i>Crataegus</i> , <i>Prunus spinosa</i> etc	xerac
<i>Ancylis mitterbacheriana</i>	2,01	Fagaceae: <i>Quercus</i> , <i>Fagus</i>	mesfo
<i>Cydia pomonella</i>	B	Rosaceae: esp. <i>Malus</i> , Juglandaceae, Fagaceae	mesfo
<i>Cydia exquisitana</i>	1,05	Ulmaceae, Salicaceae, under bark	mesfo
<i>Cydia splendana</i>	2,01	Fagaceae: <i>Quercus</i> , <i>Castanea</i> , Juglandaceae	mesfo
<i>Cydia fagiglandana</i>	2,01	<i>Fagus</i> , <i>Quercus</i> , in fruits	mesfo
<i>Cydia amplana</i>	1,10	Corylaceae, Fagaceae, Juglandaceae	mesfo
<i>Lathronympha strigana</i>	2,01	<i>Hypericum</i>	meswl
<i>Grapholita compositella</i>	1,04	Fabaceae: <i>Medicago</i> , <i>Trifolium</i>	meswl
<i>Grapholita delineana</i>	1,04	Cannabaceae: <i>Humulus</i> , <i>Cannabis</i>	mesec
<i>Pammene amygdalana</i>	1,03	<i>Quercus</i>	mesfo
<i>Pammene fasciana</i>	2,01	Fagaceae: <i>Quercus</i> , <i>Castanea</i>	mesfo
<i>Strophedra nitidana</i>	1,04	<i>Quercus</i>	mesfo
<i>Dichrorampha simpliciana</i>	1,04	<i>Artemisia vulgaris</i>	meswl
<i>Dichrorampha vancouverana</i>	1,04	Asteraceae: <i>Achillea</i> , <i>Tanacetum</i>	meswl
<i>Dichrorampha alpinana</i>	1,03	<i>Chrysanthemum vulgare</i>	meswl
<i>Dichrorampha petiverella</i>	1,05	Asteraceae: <i>Achillea</i> , <i>Chrysanthemum</i>	meswl
CHOREUTIDAE			
<i>Anthophila fabriciana</i>	1,01	<i>Urtica</i>	meswl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Pelochrista mollitana</i> (ZELLER, 1847)	+	+																
<i>Eucosma obumbratana</i> (LIENIG & ZELLER, 1846)	+							+										
<i>Eucosma scorzonera</i> (BENANDER, 1942)																		
<i>Eucosma cana</i> (HAWORTH, 1811)				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Eucosma hohenwartiana</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Eucosma scutana</i> (CONSTANT, 1893)			+															
<i>Eucosma albidulana</i> (HERRICH-SCHÄFFER, 1851)								+										
<i>Eucosma metzneriana</i> (TREITSCHKE, 1830)											+							
<i>Eucosma conterminana</i> (GUENÉE, 1845)			+	+														
<i>Eucosma gradensis</i> (GALVAGNI, 1909)	!														+			
<i>Gypsonoma imparana</i> MÜLLER-RUTZ, 1914	+																	
<i>Gypsonoma minutana</i> (HÜBNER, 1799)	!	+	+	+											+	+		
<i>Gypsonoma dealbana</i> (FRÖLICH, 1828)			+						+					+	+	+	+	
<i>Gypsonoma sociana</i> (HAWORTH, 1811)	+	+												+				
<i>Gypsonoma aceriana</i> (DUPONCHEL, 1843)			+	+	+	+	+			+				+	+			
<i>Epiblema sticticana</i> (FABRICIUS, 1794)			+									+						
<i>Epiblema cnicicolana</i> (ZELLER, 1847)	+																	
<i>Epiblema foenella</i> (LINNAEUS, 1758)	+	+	+					+				+		+	+	+	+	+
<i>Epiblema grandaevana</i> (LIENIG & ZELLER, 1846)	+			+					+					+				
<i>Notocelia cynosbatella</i> (LINNAEUS, 1758)																		
<i>Notocelia uddmanniana</i> (LINNAEUS, 1758)	+	+	+	+							+	+		+	+	+	+	+
<i>Notocelia roborana</i> (DENIS & SCHIFFERMÜLLER, 1775)														+				
<i>Notocelia rosaeolana</i> (DOUBLEDAY, 1850)		+			+				+					+				
<i>Ancylis laetana</i> (FABRICIUS, 1775)	!	+		+	+			+						+	+	+	+	+
<i>Ancylis obtusana</i> (HAWORTH, 1811)	+	+	+	+										+	+	+	+	+
<i>Ancylis comptana</i> (FRÖLICH, 1828)	+																	
<i>Ancylis geminana</i> (DONOVAN, 1806)	+																	
<i>Ancylis subarcuana</i> (DOUGLAS, 1847)	+																	
<i>Ancylis diminutana</i> (HAWORTH, 1811)	!	+	+	+	+									+	+	+	+	+
<i>Ancylis selenana</i> (GUENÉE, 1845)														+				
<i>Ancylis unculana</i> (HAWORTH, 1811)	+	+	+	+	+			+	+					+	+			
<i>Ancylis myrtillana</i> (TREITSCHKE, 1830)				+														
<i>Ancylis apicella</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+			+		+	+	+	+	+	+	+	+	+
<i>Ancylis paludana</i> BARRETT, 1886	!	+																
<i>Ancylis badiana</i> (DENIS & SCHIFFERMÜLLER, 1775)				+					+									
<i>Ancylis achatana</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Ancylis mitterbacheriana</i> (DENIS & SCHIFFERMÜLLER, 1775)								+										
<i>Cydia pomonella</i> (LINNAEUS, 1758)															+	+		
<i>Cydia exquisitana</i> (REBEL, 1889)																		
<i>Cydia splendana</i> (HÜBNER, 1799)			+	+	+							+		+	+			
<i>Cydia fagiglandana</i> (ZELLER, 1841)		+										+		+				
<i>Cydia amplana</i> (HÜBNER, 1799)										+	+	+		+	+			
<i>Lathronympha strigana</i> (FABRICIUS, 1775)					+				+	+		+						
<i>Grapholita compositella</i> (FABRICIUS, 1775)										+								
<i>Grapholita delineaana</i> (WALKER, 1863)		+																
<i>Pammene amygdalana</i> (DUPONCHEL, 1842)															+			
<i>Pammene fasciana</i> (LINNAEUS, 1761)								+										
<i>Strophedra nitidana</i> (FABRICIUS, 1794)					+						+							
<i>Dichrorampha simpliciana</i> (HAWORTH, 1811)	+			+				+			+					+		
<i>Dichrorampha vancouverana</i> McDUNNOUGH, 1935								+										
<i>Dichrorampha alpinana</i> (TREITSCHKE, 1830)												+						
<i>Dichrorampha petiverella</i> (LINNAEUS, 1758)															+			
CHOREUTIDAE																		
<i>Anthophila fabriciana</i> (LINNAEUS, 1767)										+								

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Pelochrista mollitana</i>	2,04	unknown	xerwl
<i>Eucosma obumbratana</i>	1,04	Asteraceae: <i>Centaurea</i> , <i>Sonchus</i>	meswl
<i>Eucosma scorzonera</i>	2,03	<i>Scorzonera</i>	xerwl
<i>Eucosma cana</i>	1,04	Asteraceae: <i>Cirsium</i> , <i>Carduus</i> , <i>Centaurea</i>	meswl
<i>Eucosma hohenwartiana</i>	1,02	Asteraceae: <i>Centaurea</i> , ? <i>Serratula</i>	meswl
<i>Eucosma scutana</i>	2,04	<i>Serratula tinctoria</i>	hygwl
<i>Eucosma albidulana</i>	1,08	Asteraceae: <i>Serratula</i> , <i>Gnaphalium</i> , <i>Centaurea</i>	xerwl
<i>Eucosma metzneriana</i>	1,02	<i>Artemisia</i>	xerwl
<i>Eucosma conterminana</i>	1,04	<i>Lactuca</i>	meswl
<i>Eucosma gradensis</i>	C	unknown	hygwl
<i>Gypsonoma imparana</i>	2,03	<i>Salix viminalis</i>	mesfo
<i>Gypsonoma minutana</i>	1,04	<i>Populus</i>	mesfo
<i>Gypsonoma dealbana</i>	1,05	deciduous trees/shrubs: <i>Crataegus</i> , <i>Quercus</i> , <i>Salix</i> etc	mesfo
<i>Gypsonoma sociana</i>	1,05	Salicaceae: <i>Populus</i> , rarely <i>Salix</i>	mesfo
<i>Gypsonoma aceriana</i>	1,03	deciduous trees/shrubs	mesfo
<i>Epiblema sticticana</i>	1,04	Asteraceae: <i>Tussilago</i> , rarely <i>Petasites</i>	meswl
<i>Epiblema cnicicolana</i>	2,04	<i>Pulicaria</i>	meswl
<i>Epiblema foenella</i>	1,04	<i>Artemisia</i>	xerwl
<i>Epiblema grandaevana</i>	1,05	Asteraceae: <i>Tussilago</i> , <i>Petasites</i>	mesec
<i>Notocelia cynosbatella</i>	1,05	<i>Rosa</i>	mesfo
<i>Notocelia uddmanniana</i>	1,03	<i>Rubus</i>	mesec
<i>Notocelia roborana</i>	1,04	<i>Rosa</i>	mesfo
<i>Notocelia rosaeolana</i>	1,04	<i>Rosa</i>	mesfo
<i>Ancylis laetana</i>	1,05	<i>Populus tremula</i>	mesfo
<i>Ancylis obtusana</i>	1,04	Rosaceae, Rhamnaceae	mesec
<i>Ancylis comptana</i>	1,01	herbs: <i>Potentilla</i> , <i>Teucrium</i>	meswl
<i>Ancylis geminana</i>	1,02	<i>Salix</i>	mesfo
<i>Ancylis subarcuana</i>	D	<i>Salix</i>	mesfo
<i>Ancylis diminutana</i>	2,03	<i>Salix</i>	mesfo
<i>Ancylis selenana</i>	1,04	Rosaceae: <i>Crataegus</i> , <i>Prunus</i> , <i>Pyrus</i>	xerwl
<i>Ancylis unculana</i>	1,04	Rhamnaceae: <i>Frangula</i> , <i>Rhamnus</i>	mesec
<i>Ancylis myrtillana</i>	1,05	<i>Vaccinium</i>	mesfo
<i>Ancylis apicella</i>	1,05	deciduous trees/shrubs: <i>Frangula</i> , <i>Betula</i> , <i>Prunus</i>	mesfo
<i>Ancylis paludana</i>	1,01	<i>Lathyrus</i>	hygwl
<i>Ancylis badiana</i>	1,04	Fabaceae: <i>Vicia</i> , <i>Lathyrus</i> , <i>Trifolium</i>	meswl
<i>Ancylis achatana</i>	2,01	Rosaceae: <i>Crataegus</i> , <i>Prunus spinosa</i> etc	xerwl
<i>Ancylis mitterbacheriana</i>	2,01	Fagaceae: <i>Quercus</i> , <i>Fagus</i>	mesfo
<i>Cydia pomonella</i>	B	Rosaceae: esp. <i>Malus</i> , Juglandaceae, Fagaceae	mesfo
<i>Cydia exquisitana</i>	1,05	Ulmaceae, Salicaceae, under bark	mesfo
<i>Cydia splendana</i>	2,01	Fagaceae: <i>Quercus</i> , <i>Castanea</i> , Juglandaceae	mesfo
<i>Cydia fagiglandana</i>	2,01	<i>Fagus</i> , <i>Quercus</i> , in fruits	mesfo
<i>Cydia amplana</i>	1,10	Corylaceae, Fagaceae, Juglandaceae	mesfo
<i>Lathronympha strigana</i>	2,01	<i>Hypericum</i>	meswl
<i>Grapholita compositella</i>	1,04	Fabaceae: <i>Medicago</i> , <i>Trifolium</i>	meswl
<i>Grapholita delineaana</i>	1,04	Cannabaceae: <i>Humulus</i> , <i>Cannabis</i>	mesec
<i>Pammene amygdalana</i>	1,03	<i>Quercus</i>	mesfo
<i>Pammene fasciana</i>	2,01	Fagaceae: <i>Quercus</i> , <i>Castanea</i>	mesfo
<i>Strophedra nitidana</i>	1,04	<i>Quercus</i>	mesfo
<i>Dichrorampha simpliciana</i>	1,04	<i>Artemisia vulgaris</i>	meswl
<i>Dichrorampha vancouverana</i>	1,04	Asteraceae: <i>Achillea</i> , <i>Tanacetum</i>	meswl
<i>Dichrorampha alpinana</i>	1,03	<i>Chrysanthemum vulgare</i>	meswl
<i>Dichrorampha petiverella</i>	1,05	Asteraceae: <i>Achillea</i> , <i>Chrysanthemum</i>	meswl
CHOREUTIDAE			
<i>Anthophila fabriciana</i>	1,01	<i>Urtica</i>	meswl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	1 Magredi di S. Quirino	2 Palude Fontana Abisso	3 Palude Fraghis	4 Paludi del Corno	5 Torbiera Scelizza	6 Torbiera di Sequals	7 Torbiera di Casasola	8 Prati di Col S. Floreano	9 Palude di Cima Corso	10 Torbiera di Pramollo	11 Torbiera di Lazzacco	12 Risorgive di Flambro	13 Torbiera di Curiedi	14 Risorgive di Zarnico	15 Palude del F. Cavana	16 Risorgive di Virco	17 Prati umidi di Quadris	18 Torbiera di B.go Pegoraro
<i>Tebenna bjerikandrella</i> (THUNBERG, 1784)										+								
URODIDAE																		
<i>Wockia asperipunctella</i> (BRUAND, 1851)	!		+		+									+	+			
EPERMENIIDAE																		
<i>Epermenia aequidentella</i> (HOFMANN, 1867)						+												
<i>Epermenia illigerella</i> (HÜBNER, 1813)									+									
<i>Epermenia pontificella</i> (HÜBNER, 1796)													+					
<i>Epermenia ochreomaculella</i> (MILLIERE, 1854)	+																	
<i>Ochromolopis ictella</i> (HÜBNER, 1813)	+								+									
PTEROPHORIDAE																		
<i>Platyptilia gonodactyla</i> (DENIS & SCHIFFERMÜLLER, 1775)					+					+								
<i>Platyptilia calodactyla</i> (DENIS & SCHIFFERMÜLLER, 1775)										+								
<i>Platyptilia farfarellus</i> ZELLER, 1867	+	+	+															
<i>Gillmeria pallidactyla</i> (HAWORTH, 1811)													+					
<i>Amblyptilia acanthadactyla</i> (HÜBNER, 1813)		+							+						+			
<i>Stenoptilia pterodactyla</i> (LINNAEUS, 1761)								+		+								
<i>Stenoptilia cf. stigmatodactylus</i> (ZELLER, 1852)																	+	
<i>Stenoptilia bipunctidactyla</i> (SCOPOLI, 1763)					+													
<i>Stenoptilia succisae</i> GIBEAUX & NEL, 1991													+					
<i>Stenoptilia coprodactyla</i> (STANTON, 1851)										+								
<i>Stenoptilia graphodactyla</i> (TREITSCHKE, 1833)					+				+									
<i>Stenoptilia zophodactylus</i> (DUPONCHEL, 1838)	+	+	+	+	+				+	+	+	+				+		
<i>Stenoptilia pneumonanthes</i> (BÜTNER, 1880)	!			+														
<i>Stenoptilia mariaeluisae</i> BIGOT & PICARD, 2002	+																	
<i>Stenoptilia inopinata</i> BIGOT & PICARD, 2002	+																	
<i>Oxyptilus pilosellae</i> (ZELLER, 1841)					+									+				
<i>Oxyptilus parvidactyla</i> (HAWORTH, 1811)	+																	
<i>Oxyptilus distans</i> (ZELLER, 1847)	+																	
<i>Pterophorus pentadactyla</i> (LINNAEUS, 1758)			+	+			+				+	+				+	+	+
<i>Merrifieldia leucodactyla</i> (DENIS & SCHIFFERMÜLLER, 1775)	+									+			+					
<i>Euleioptilus tephrodactyla</i> (HÜBNER, 1813)											+							
<i>Euleioptilus carphodactyla</i> (HÜBNER, 1813)																	+	
<i>Ovendenia lienigianus</i> (ZELLER, 1852)	+																	
<i>Adaina microdactyla</i> (HÜBNER, 1813)	!		+	+	+	+					+	+	+	+	+	+		
<i>Emmelina monodactyla</i> (LINNAEUS, 1758)		+	+	+	+	+		+		+	+	+	+	+	+	+	+	+
THYRIDIDAE																		
<i>Thyris fenestrella</i> (SCOPOLI, 1763)									+									
PYRALIDAE																		
<i>Aphomia sociella</i> (LINNAEUS, 1758)					+	+	+					+						
<i>Aphomia zelleri</i> (JOANNIS, 1932)																+		
<i>Lamoria anella</i> (DENIS & SCHIFFERMÜLLER, 1775)																	*	
<i>Synaphe punctalis</i> (FABRICIUS, 1775)	+				+	+											*	
<i>Pyrallis regalis</i> (DENIS & SCHIFFERMÜLLER, 1775)																	*	
<i>Pyrallis farinalis</i> (LINNAEUS, 1758)									+				+					
<i>Aglossa caprealis</i> (HÜBNER, 1809)																	+	
<i>Actenia brunnealis</i> (TREITSCHKE, 1829)	+																*	
<i>Hypsopygia costalis</i> (FABRICIUS, 1775)			+	+		+	+	+			+	+	+	+	+	+		+
<i>Orthopygia glaucinalis</i> (LINNAEUS, 1758)						+						+	+	+	+	+		+
<i>Endotricha flammealis</i> (DENIS & SCHIFFERMÜLLER, 1775)		+	+	+	+	+			+		+	+	+	+	+	+	+	+
<i>Cryptoblabes bistriga</i> (HAWORTH, 1811)																		
<i>Trachonitis cristella</i> (DENIS & SCHIFFERMÜLLER, 1775)								+							+	*		
<i>Salebriopsis albicilla</i> (HERRICH-SCHÄFFER, 1849)						+												
<i>Elegia similella</i> (ZINCKEN, 1818)						+		+						+	*	+		
<i>Ortholepis betulae</i> (GOEZE, 1778)						+					+							

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Tebenna bjerikandrella</i>	1,01	Asteraceae: <i>Carlina</i> , <i>Carduus</i> etc	xerwl
URODIDAE			
<i>Wockia asperipunctella</i>	2,01	<i>Populus tremula</i>	mesfo
EPERMENIIDAE			
<i>Epermenia aequidentella</i>	2,04	Apiaceae	meswl
<i>Epermenia illigerella</i>	2,01	Apiaceae: <i>Angelica</i> , <i>Aegopodium</i>	mesec
<i>Epermenia pontificella</i>	2,04	<i>Thesium</i>	xerwl
<i>Epermenia ochreomaculella</i>	2,04	unknown	xerwl
<i>Ochromolopis ictella</i>	2,04	<i>Thesium</i>	xerwl
PTEROPHORIDAE			
<i>Platyptilia gonodactyla</i>	1,05	Asteraceae: <i>Tussilago</i> , <i>Petasites</i>	mesec
<i>Platyptilia calodactyla</i>	2,01	Asteraceae: <i>Erigeron</i> , <i>Solidago</i> , <i>Senecio</i>	mon
<i>Platyptilia farfarellus</i>	1,05	Asteraceae: esp. <i>Senecio</i>	mesec
<i>Gillmeria pallidactyla</i>	1,01	<i>Achillea</i>	meswl
<i>Amblyptilia acanthadactyla</i>	1,03	herbs	meswl
<i>Stenoptilia pterodactyla</i>	1,01	<i>Veronica</i>	hygw
<i>Stenoptilia cf. stigmatodactylus</i>	D	unknown	unknown
<i>Stenoptilia bipunctidactyla</i>	1,03	herbs: <i>Knautia</i>	meswl
<i>Stenoptilia succisae</i>	2,03	<i>Succisa pratensis</i>	hygw
<i>Stenoptilia coprodactyla</i>	2,04	<i>Gentiana</i>	mon
<i>Stenoptilia graphodactyla</i>	2,04	<i>Gentiana asclepiadea</i> , <i>G. clusii</i> , <i>G. verna</i>	hygw
<i>Stenoptilia zophodactylus</i>	B	<i>Centaureum</i>	hygw
<i>Stenoptilia pneumonanthes</i>	2,03	<i>Gentiana pneumonanthe</i>	hygw
<i>Stenoptilia mariaeluisae</i>	C	unknown	xerwl
<i>Stenoptilia inopinata</i>	D	unknown	xerwl
<i>Oxyptilus pilosellae</i>	2,01	<i>Hieracium pilosella</i>	meswl
<i>Oxyptilus parvidactyla</i>	1,03	<i>Hieracium</i>	meswl
<i>Oxyptilus distans</i>	2,04	Asteraceae: <i>Crepis</i> , <i>Picris</i> , <i>Hieracium</i>	xerwl
<i>Pterophorus pentadactyla</i>	1,04	Convulvaceae	meswl
<i>Merrifieldia leucodactyla</i>	1,03	herbs: esp. <i>Thymus</i>	meswl
<i>Euleioptilus tephrodactyla</i>	2,01	Asteraceae: <i>Solidago</i> , <i>Aster</i> , <i>Bellis</i>	mesec
<i>Euleioptilus carphodactyla</i>	1,03	<i>Inula</i>	hygw
<i>Ovendenia lienigianus</i>	B	Asteraceae: <i>Artemisia</i> , <i>Tanacetum</i> , <i>Leucanthemum</i>	meswl
<i>Adaina microdactyla</i>	1,02	<i>Eupatorium</i>	hygw
<i>Emmelina monodactyla</i>	B	<i>Convolvulus</i>	meswl
THYRIDIDAE			
<i>Thyris fenestrella</i>	2,01	<i>Clematis</i>	mesec
PYRALIDAE			
<i>Aphomia sociella</i>	1,01	bumble-beeswax	ubiq
<i>Aphomia zelleri</i>	1,04	moss, herbs, grass, vaspnests	xerwl
<i>Lamoria anella</i>	1,02	waspwax, dry vegetable matter	xerwl
<i>Synaphe punctalis</i>	2,01	moss: esp. <i>Hypnum</i> , ?herbs	meswl
<i>Pyrallis regalis</i>	1,04	dry vegetable matter	xerwl
<i>Pyrallis farinalis</i>	B	dry vegetable matter	ubiq
<i>Aglossa caprealis</i>	D	vegetable matter	ubiq
<i>Actenia brunnealis</i>	1,10	herbs: esp. <i>Epilobium</i> , <i>Globularia</i> , <i>Helianthemum</i>	xerwl
<i>Hypsopygia costalis</i>	B	dry vegetable matter	ubiq
<i>Orthopygia glaucinalis</i>	1,04	dry vegetable matter	ubiq
<i>Endotricha flammealis</i>	2,01	herbs: esp. <i>Lotus</i> , deciduous trees/shrubs	mesec
<i>Cryptoblabes bistriga</i>	1,05	deciduous trees/shrubs: esp. <i>Quercus</i>	mesfo
<i>Trachonitis cristella</i>	2,04	deciduous trees/shrubs: esp. <i>Rosaceae</i>	xerwl
<i>Salebriopsis albicilla</i>	2,01	deciduous trees/shrubs: esp. <i>Tilia</i>	mesfo
<i>Elegia similella</i>	2,01	<i>Quercus</i>	mesfo
<i>Ortholepis betulae</i>	1,05	<i>Betula</i>	mesfo

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Pyla fusca</i> (HAWORTH, 1811)					+													
<i>Pempeliella ornatella</i> (DENIS & SCHIFFERMÜLLER, 1775)										+	+							
<i>Pempeliella dilutella</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+																
<i>Khorassania compositella</i> (TREITSCHKE, 1835)	+	+																
<i>Sciota fumella</i> (EVERSMANN, 1844)	+	+																
<i>Sciota rhenella</i> (ZINCKEN, 1818)	+	+																
<i>Sciota hostilis</i> (STEPHENS, 1834)	+	+																
<i>Sciota adelphella</i> (FISCHER VON RÖSLERSTAMM, 1836)	+	+	+															
<i>Selagia argyrella</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+																
<i>Etiella zinckenella</i> (TREITSCHKE, 1832)	+	+																
<i>Oncocera semirubella</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pempelia formosa</i> (HAWORTH, 1811)	+	+																
<i>Pempelia palumbella</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+																
<i>Dioryctria sylvestrella</i> (RATZBURG, 1840)																		
<i>Dioryctria schuetzeella</i> FUCHS, 1899																		
<i>Dioryctria abietella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Phycita roborella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Hypochalcia ahenella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Hypochalcia bruandella</i> (GUENÉE, 1845)																		
<i>Nephopterix angustella</i> (HÜBNER, 1796)																		
<i>Conobathra tumidana</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Conobathra repandana</i> (FABRICIUS, 1798)																		
<i>Trachycera legatella</i> (HAWORTH, 1811)																		
<i>Acrobasis consociella</i> (HÜBNER, 1813)																		
<i>Acrobasis glaucella</i> STAUDINGER, 1859																		
<i>Acrobasis foroiulensis</i> HUIMER & NUSS, 2006																		
<i>Glyptoteles leucacrinella</i> ZELLER, 1848																		
<i>Eurhodope cirrigrella</i> (ZINCKEN, 1818)																		
<i>Eurhodope luteogrisea</i> (HERRICH-SCHÄFFER, 1849)																		
<i>Eurhodope rosella</i> (SCOPOLI, 1763)																		
<i>Pterothrixidia impurella</i> (DUPONCHEL, 1836)																		
<i>Gymnancyla hornigi</i> (LEDERER, 1852)																		
<i>Eccopisa effractella</i> ZELLER, 1848																		
<i>Assara terebrella</i> (ZINCKEN, 1818)																		
<i>Euzophera bigella</i> (ZELLER, 1848)																		
<i>Euzophera pinguis</i> (HAWORTH, 1811)																		
<i>Euzophera cinerosella</i> (ZELLER, 1839)																		
<i>Euzophera fuliginosella</i> (HEINEMANN, 1865)																		
<i>Nyctegretis lineana</i> (SCOPOLI, 1786)																		
<i>Nyctegretis triangulella</i> RAGONOT, 1901																		
<i>Ancylosis oblitella</i> (ZELLER, 1848)																		
<i>Homoeosoma sinuella</i> (FABRICIUS, 1794)																		
<i>Homoeosoma inustella</i> RAGONOT, 1884																		
<i>Homoeosoma nebulella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Phycitodes binaevella</i> (HÜBNER, 1813)																		
<i>Phycitodes inquinatella</i> (RAGONOT, 1887)																		
<i>Phycitodes albatella</i> (RAGONOT, 1887)																		
<i>Ephestia kuehniella</i> (ZELLER, 1879)																		
<i>Ephestia elutella</i> (HÜBNER, 1796)																		
<i>Ephestia parasitella</i> (STAUDINGER, 1859)																		
<i>Cadra furcatella</i> (HERRICH-SCHÄFFER, 1849)																		
<i>Hypsotropa limbella</i> ZELLER, 1848																		
<i>Ematheudes punctella</i> (TREITSCHKE, 1833)																		
<i>Scoparia subfusca</i> (HAWORTH, 1811)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Pyla fusca</i>	1,01	Ericaceae: <i>Erica</i> , <i>Vaccinium</i>	mesfo
<i>Pempeliella ornatella</i>	1,04	<i>Thymus</i>	xerwl
<i>Pempeliella dilutella</i>	1,04	<i>Thymus</i>	xerwl
<i>Khorassania compositella</i>	2,04	herbs: <i>Artemisia</i> , <i>Helianthemum</i>	xerwl
<i>Sciota fumella</i>	1,05	unknown	?mesfo
<i>Sciota rhenella</i>	1,10	<i>Populus</i>	mesfo
<i>Sciota hostilis</i>	1,10	Salicaceae: <i>Populus tremula</i> , <i>Salix</i>	mesfo
<i>Sciota adelphella</i>	1,04	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Selagia argyrella</i>	1,04	herbs, Ericaceae: <i>Calluna</i>	xerwl
<i>Etiella zinckenella</i>	1,01	Fabaceae	xerwl
<i>Oncocera semirubella</i>	1,05	Fabaceae: <i>Ononis</i> , <i>Lotus</i> , <i>Medicago</i> , <i>Trifolium</i>	meswl
<i>Pempelia formosa</i>	1,04	<i>Ulmus</i>	mesfo
<i>Pempelia palumbella</i>	1,03	herbs, Ericaceae: <i>Calluna</i>	xerwl
<i>Dioryctria sylvestrella</i>	1,04	<i>Pinus sylvestris</i>	mesfo
<i>Dioryctria schuetzeella</i>	1,05	<i>Picea abies</i>	mesfo
<i>Dioryctria abietella</i>	1,01	Pinaceae: esp. <i>Pinus</i>	mesfo
<i>Phycita roborella</i>	2,01	Fagaceae: <i>Quercus</i> , Rosaceae: <i>Malus</i> , <i>Pyrus</i>	mesfo
<i>Hypochalcia ahenella</i>	2,01	herbs: <i>Helianthemum</i> , <i>Artemisia</i>	meswl
<i>Hypochalcia bruandella</i>	2,03	unknown	xerwl
<i>Nephopterix angustella</i>	2,01	<i>Euonymus</i>	mesec
<i>Conobathra tumidana</i>	2,01	<i>Quercus</i>	mesfo
<i>Conobathra repandana</i>	2,01	<i>Quercus</i>	mesfo
<i>Trachycera legatella</i>	1,10	Rhamnaceae	mesec
<i>Acrobasis consociella</i>	2,01	<i>Quercus</i>	mesfo
<i>Acrobasis glaucella</i>	1,10	<i>Quercus</i>	xerwl
<i>Acrobasis foroiulensis</i>	D	unknown	unknown
<i>Glyptoteles leucacrinella</i>	1,05	dead vegetable matter	mesfo
<i>Eurhodope cirrigrella</i>	2,01	Dipsacaceae: <i>Scabiosa</i> , ? <i>Knautia</i>	xerwl
<i>Eurhodope luteogrisea</i>	3,03	unknown	xerwl
<i>Eurhodope rosella</i>	2,01	<i>Scabiosa</i>	xerwl
<i>Pterothrixidia impurella</i>	1,10	<i>Euphorbia cyparissias</i>	xerwl
<i>Gymnancyla hornigi</i>	1,09	Chenopodiaceae: <i>Atriplex</i> , <i>Chenopodium</i>	xerwl
<i>Eccopisa effractella</i>	1,07	deciduous trees/shrubs: <i>Prunus</i> , <i>Malus</i> , <i>Corylus</i>	mesfo
<i>Assara terebrella</i>	1,05	<i>Picea abies</i>	mesfo
<i>Euzophera bigella</i>	1,06	deciduous trees/shrubs, conifers, dry fruits	mesec
<i>Euzophera pinguis</i>	1,05	<i>Fraxinus</i>	mesfo
<i>Euzophera cinerosella</i>	1,05	<i>Artemisia absinthium</i>	xerwl
<i>Euzophera fuliginosella</i>	1,05	<i>Betula</i>	mesfo
<i>Nyctegretis lineana</i>	1,04	herbs: <i>Ononis</i> , <i>Artemisia</i> etc	meswl
<i>Nyctegretis triangulella</i>	2,04	?herbs	hygw
<i>Ancylosis oblitella</i>	1,06	herbs: <i>Salicornia</i> , <i>Suaeda</i> , <i>Chenopodium</i>	hygw
<i>Homoeosoma sinuella</i>	1,06	herbs: <i>Plantago</i> , <i>Chenopodium</i>	xerwl
<i>Homoeosoma inustella</i>	1,07	unknown	xerwl
<i>Homoeosoma nebulella</i>	1,04	Asteraceae: <i>Senecio</i> , <i>Carduus</i> , <i>Cirsium</i>	meswl
<i>Phycitodes binaevella</i>	1,06	Asteraceae: <i>Cirsium</i> , <i>Tanacetum</i> , <i>Aster</i> etc	meswl
<i>Phycitodes inquinatella</i>	1,12	?Asteraceae	xerwl
<i>Phycitodes albatella</i>	1,02	Asteraceae: <i>Solidago</i> , <i>Crepis</i> , <i>Senecio</i>	meswl
<i>Ephestia kuehniella</i>	1,02	vegetable matter	ubiq
<i>Ephestia elutella</i>	1,01	vegetable matter, animal matter	ubiq
<i>Ephestia parasitella</i>	1,01	<i>Vitis</i> , <i>Juglans</i> , <i>Cytinus</i>	ubiq
<i>Cadra furcatella</i>	1,08	vegetable matter	ubiq
<i>Hypsotropa limbella</i>	3,01	unknown	xerwl
<i>Ematheudes punctella</i>	1,08	?grass	xerwl
<i>Scoparia subfusca</i>	2,01	Asteraceae: <i>Picris</i> , <i>Tussilago</i>	meswl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	Magredi di S. Quirino	Palude Fontana Abisso	Palude Fragnis	Paludi del Corno	Torbiera Scichizza	Torbiera di Sequals	Torbiera di Casasola	Prati di Col S. Floreano	Palude di Cima Corso	Torbiera di Pramollo	Torbiera di Lazzacco	Risorgive di Flambro	Torbiera di Curtedi	Risorgive di Zanicco	Palude del F. Cavana	Risorgive di Virco	Prati umidi di Quadris	Torbiera di B.go Pegoraro
<i>Scoparia basistrigalis</i> KNAGGS, 1866			+	+	+				+	+	+	+						
<i>Scoparia ambigua</i> (TREITSCHKE, 1829)																		
<i>Scoparia pyralella</i> (DENIS & SCHIFFERMÜLLER, 1775)									+	+	+	+					+	
<i>Scoparia ingratella</i> (ZELLER, 1846)																		+
<i>Eudonia lacustrata</i> (PANZER, 1804)	+		+	+	+	+			+			+						
<i>Eudonia delunella</i> (STANTON, 1849)																		
<i>Eudonia truncicolella</i> (STANTON, 1849)					+	+	+		+			+						
<i>Eudonia mercurella</i> (LINNAEUS, 1758)		+												+	+			
<i>Eudonia sudetica</i> (ZELLER, 1839)																		
<i>Eudonia pallida</i> (CURTIS, 1827)			+													*		+
<i>Euchromius superbullus</i> (ZELLER, 1849)																*		
<i>Euchromius ramburiellus</i> (DUPONCHEL, 1836)																*		
<i>Chilo phragmitella</i> (HÜBNER, 1805)		+	+													+	*	+
<i>Chilo luteellus</i> (MOTSCHULSKY, 1866)																		
<i>Calamotropa paludella</i> (HÜBNER, 1824)																		
<i>Calamotropa aureliellus</i> (FISCHER V. RÖSLERSTAMM, 1841)		+														+	*	
<i>Chrysoteuchia culmella</i> (LINNAEUS, 1758)																		
<i>Crambus pascuella</i> (LINNAEUS, 1758)		+	+	+	+	+	+	+	+	+	+	+	+	+	+	*		+
<i>Crambus silvella</i> (HÜBNER, 1813)			+	+														
<i>Crambus uliginosellus</i> ZELLER, 1850																		
<i>Crambus lathoniellus</i> (ZINCKEN, 1817)		+	+	+	+			+	+	+	+	+	+	+	+		+	+
<i>Crambus hamella</i> (THUNBERG, 1788)		+																
<i>Crambus perlella</i> (SCOPOLI, 1763)		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Angustalius malacellus</i> (DUPONCHEL, 1836)																+		
<i>Agriphila tristella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Agriphila inquinatella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Agriphila brioniellus</i> (ZERNY, 1914)																		
<i>Agriphila selasella</i> (HÜBNER, 1813)																		
<i>Agriphila straminella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Agriphila geniculea</i> (HAWORTH, 1811)																		
<i>Catoptria myella</i> (HÜBNER, 1796)																		
<i>Catoptria osthelderi</i> (DE LATTIN, 1950)																		
<i>Catoptria pyramidellus</i> (TREITSCHKE, 1832)																		
<i>Catoptria conchella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Catoptria mytilella</i> (HÜBNER, 1805)																		
<i>Catoptria pinella</i> (LINNAEUS, 1758)																		
<i>Catoptria margaritella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Catoptria falsella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Chrysocrambus linetella</i> (FABRICIUS, 1781)																		
<i>Thisanotia chrysonuchella</i> (SCOPOLI, 1763)																		
<i>Pediasia contaminella</i> (HÜBNER, 1796)																		
<i>Platytes cerussella</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Platytes alpinella</i> (HÜBNER, 1813)	*																*	
<i>Ancylotomia disparalis</i> (HÜBNER, 1825)																	*	
<i>Schoenobius gigantea</i> (DENIS & SCHIFFERMÜLLER, 1775)																	*	
<i>Donacaula mucronella</i> (DENIS & SCHIFFERMÜLLER, 1775)																	*	
<i>Scirpophaga praelata</i> (SCOPOLI, 1763)																	*	
<i>Elophila nymphaeata</i> (LINNAEUS, 1758)																	*	
<i>Elophila rivulalis</i> (DUPONCHEL, 1834)																	*	
<i>Cataclysta lemnata</i> (LINNAEUS, 1758)	*																*	
<i>Paraponyx stratiotata</i> (LINNAEUS, 1758)																	*	
<i>Nymphula stagnata</i> (DONOVAN, 1806)																	*	
<i>Aporodes floralis</i> (HÜBNER, 1809)																	*	
<i>Cynaeda dentalis</i> (DENIS & SCHIFFERMÜLLER, 1775)	*																*	

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Scoparia basistrigalis</i>	2,01	moss	mesfo
<i>Scoparia ambigua</i>	1,01	moss	mesfo
<i>Scoparia pyralella</i>	2,01	moss	meswl
<i>Scoparia ingratella</i>	2,01	moss	meswl
<i>Eudonia lacustrata</i>	2,01	moss	mesfo
<i>Eudonia delunella</i>	2,04	moss	mesfo
<i>Eudonia truncicolella</i>	1,05	moss	mesfo
<i>Eudonia mercurella</i>	2,01	moss	mesfo
<i>Eudonia sudetica</i>	2,01	moss	alp
<i>Eudonia pallida</i>	2,01	moss	hygwl
<i>Euchromius superbullus</i>	1,08	?decaying leaves	xerwl
<i>Euchromius ramburiellus</i>	1,08	decaying leaves	xerwl
<i>Chilo phragmitella</i>	1,04	Poaceae: <i>Phragmites</i> , <i>Glyceria</i>	hygwl
<i>Chilo luteellus</i>	1,08	?Poaceae	hygwl
<i>Calamotropa paludella</i>	B	<i>Typha</i> , esp. <i>T. latifolia</i>	hygwl
<i>Calamotropa aureliellus</i>	1,04	?grass	hygwl
<i>Chrysoteuchia culmella</i>	1,02	Poaceae: <i>Festuca</i> etc	meswl
<i>Crambus pascuella</i>	1,01	Poaceae: <i>Poa</i> etc, ?moss, ? <i>Trifolium</i>	meswl
<i>Crambus silvella</i>	1,04	<i>Carex</i>	hygwl
<i>Crambus uliginosellus</i>	2,01	?Poaceae	hygwl
<i>Crambus lathoniellus</i>	1,04	Poaceae: <i>Deschampsia caespitosa</i> etc	ubiq
<i>Crambus hamella</i>	1,01	Poaceae	xerwl
<i>Crambus perlella</i>	1,02	Poaceae: <i>Deschampsia</i> , <i>Festuca</i> etc	ubiq
<i>Angustalius malacellus</i>	1,11	unknown	xerwl
<i>Agriphila tristella</i>	1,02	Poaceae: <i>Bromus</i> etc	meswl
<i>Agriphila inquinatella</i>	1,03	Poaceae: <i>Festuca</i> , <i>Poa</i> , moss	meswl
<i>Agriphila brioniellus</i>	3,03	?Poaceae	xerwl
<i>Agriphila selasella</i>	1,02	Poaceae	meswl
<i>Agriphila straminella</i>	1,01	Poaceae: <i>Festuca</i> , <i>Poa pratensis</i>	meswl
<i>Agriphila geniculea</i>	1,03	Poaceae	xerwl
<i>Catoptria myella</i>	2,04	moss	xerwl
<i>Catoptria osthelderi</i>	2,03	moss	mesec
<i>Catoptria pyramidellus</i>	C	moss	alp
<i>Catoptria conchella</i>	2,03	moss	mon
<i>Catoptria mytilella</i>	2,01	moss	xerwl
<i>Catoptria pinella</i>	1,02	Poaceae	meswl
<i>Catoptria margaritella</i>	2,01	moss	hygwl
<i>Catoptria falsella</i>	1,03	moss	mesfo
<i>Chrysocrambus linetella</i>	1,06	?Poaceae	xerwl
<i>Thisanotia chrysonuchella</i>	1,10	Poaceae	xerwl
<i>Pediasia contaminella</i>	1,10	Poaceae	xerwl
<i>Platytes cerussella</i>	2,01	Poaceae, moss	xerwl
<i>Platytes alpinella</i>	1,03	moss	xerwl
<i>Ancylotomia disparalis</i>	3,01	unknown	xerwl
<i>Schoenobius gigantea</i>	1,04	Poaceae: <i>Phragmites</i> , <i>Glyceria</i>	hygwl
<i>Donacaula mucronella</i>	1,05	Cyperaceae: <i>Carex</i> , Poaceae: <i>Phragmites</i> etc.	hygwl
<i>Scirpophaga praelata</i>	1,02	Cyperaceae, Juncaceae	hygwl
<i>Elophila nymphaeata</i>	1,02	herbs: <i>Potamogeton</i> , <i>Hydrocharis</i>	hygwl
<i>Elophila rivulalis</i>	2,01	unknown	hygwl
<i>Cataclysta lemnata</i>	1,03	<i>Lemna</i>	hygwl
<i>Paraponyx stratiotata</i>	1,04	herbs: <i>Elodea</i> , <i>Potamogeton</i> etc	hygwl
<i>Nymphula stagnata</i>	1,05	herbs: <i>Nuphar lutea</i> , <i>Sparganium</i>	hygwl
<i>Aporodes floralis</i>	1,08	herbs: <i>Cynara</i> , <i>Convolvulus</i>	xerwl
<i>Cynaeda dentalis</i>	1,04	Boraginaceae: <i>Echium</i> , <i>Anchusa</i>	xerwl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Eurrhysis pollinalis</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Evergestis sophialis</i> (FABRICIUS, 1787)																		
<i>Evergestis extimalis</i> (SCOPOLI, 1763)										+								
<i>Evergestis politalis</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Evergestis aenealis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Udea ferrugalis</i> (HÜBNER, 1796)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Udea lutealis</i> (HÜBNER, 1809)																		
<i>Udea prunalis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Udea alpinalis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Udea uliginosalis</i> (STEPHENS, 1829)																		
<i>Udea nebulalis</i> (HÜBNER, 1796)																		
<i>Udea olivialis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Paracorsia repandalis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Opsibotys fuscalis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Loxostege aeruginalis</i> (HÜBNER, 1796)	+																	
<i>Loxostege sticticalis</i> (LINNAEUS, 1761)	+																	
<i>Ecpyrhorrhoe rubiginalis</i> (HÜBNER, 1796)																		
<i>Pyrausta cingulata</i> (LINNAEUS, 1758)	+																	
<i>Pyrausta rectefascialis</i> TOLL, 1936																		
<i>Pyrausta despicata</i> (SCOPOLI, 1763)	+																	
<i>Pyrausta aurata</i> (SCOPOLI, 1763)																		
<i>Pyrausta purpuralis</i> (LINNAEUS, 1758)	*																	
<i>Pyrausta ostrinalis</i> (HÜBNER, 1796)	+																	
<i>Pyrausta nigrata</i> (SCOPOLI, 1763)																		
<i>Pyrausta aerealis</i> (HÜBNER, 1793)																		
<i>Uresiphita gilvata</i> (FABRICIUS, 1794)																		
<i>Nascia ciliaris</i> (HÜBNER, 1796)	!	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Sitochroa verticalis</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Perinephela lancealis</i> (DENIS & SCHIFFERMÜLLER, 1775)	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Phlyctaenia coronata</i> (HUFNAGEL, 1767)																		
<i>Phlyctaenia perlucidalis</i> (HÜBNER, 1809)																		
<i>Sclerocona acutella</i> (EVERSMANN, 1842)	!	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Ostrinia nubilalis</i> (HÜBNER, 1796)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Ebulea crocealis</i> (HÜBNER, 1796)	*																	
<i>Anania verbascalis</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Anania funebris</i> (STRÖM, 1768)																		
<i>Eurrhyspara hortulata</i> (LINNAEUS, 1758)																		
<i>Paratalanta pandalis</i> (HÜBNER, 1825)																		
<i>Paratalanta hyalinalis</i> (HÜBNER, 1796)																		
<i>Pleuroptya ruralis</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mecyna flavalis</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Agrotis nemoralis</i> (SCOPOLI, 1763)																		
<i>Diasemiopsis ramburialis</i> (DUPONCHEL, 1834)																		
<i>Palpita unionalis</i> (HÜBNER, 1796)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Dolicharthria punctalis</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Metasia ophiatis</i> (TREITSCHKE, 1829)																		
<i>Nomophila noctuella</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
LASIOCAMPIDAE																		
<i>Malacosoma neustria</i> (LINNAEUS, 1758)																		
<i>Malacosoma castrensis</i> (LINNAEUS, 1758)																		
<i>Malacosoma alpicola</i> STAUDINGER, 1870																		
<i>Lasiocampa trifolii</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Lasiocampa quercus</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Macrothylacia rubi</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Eurrhysis pollinalis</i>	1,12	Fabaceae: <i>Ononis</i> , <i>Cytisus</i>	xerwl
<i>Evergestis sophialis</i>	1,10	Brassicaceae	xerwl
<i>Evergestis extimalis</i>	1,04	Brassicaceae: <i>Brassica</i> , <i>Sisymbrium</i> etc	meswl
<i>Evergestis politalis</i>	1,02	<i>Biscutella</i>	meswl
<i>Evergestis aenealis</i>	2,01	Brassicaceae	xerwl
<i>Udea ferrugalis</i>	1,02	herbs: <i>Mentha</i> , <i>Cirsium</i> etc	ubiq
<i>Udea lutealis</i>	1,04	herbs: <i>Rumex</i> , <i>Plantago</i>	mon
<i>Udea prunalis</i>	2,01	herbs, deciduous trees/shrubs	mesfo
<i>Udea alpinalis</i>	2,01	herbs	mon
<i>Udea uliginosalis</i>	2,01	herbs	mon
<i>Udea nebulalis</i>	2,01	herbs	mon
<i>Udea olivialis</i>	2,01	herbs, deciduous trees/shrubs	mesfo
<i>Paracorsia repandalis</i>	1,07	herbs: <i>Verbascum</i> , <i>Genista</i>	xerwl
<i>Opsibotys fuscalis</i>	1,04	herbs: <i>Rhinanthus</i> , <i>Solidago</i>	meswl
<i>Loxostege aeruginalis</i>	1,07	<i>Artemisia</i>	xerwl
<i>Loxostege sticticalis</i>	1,01	herbs	meswl
<i>Ecpyrhorrhoe rubiginalis</i>	1,07	Lamiaceae: <i>Stachys</i> , <i>Ballota</i>	meswl
<i>Pyrausta cingulata</i>	1,04	Lamiaceae: <i>Salvia</i> , <i>Thymus</i>	meswl
<i>Pyrausta rectefascialis</i>	2,04	?Lamiaceae	xerwl
<i>Pyrausta despicata</i>	1,04	herbs: <i>Plantago</i> , <i>Salvia</i> etc	meswl
<i>Pyrausta aurata</i>	1,02	Lamiaceae: <i>Mentha</i> , <i>Origanum</i> , <i>Salvia</i> etc	meswl
<i>Pyrausta purpuralis</i>	2,01	Lamiaceae: <i>Mentha</i> , <i>Origanum</i> , <i>Thymus</i> etc	meswl
<i>Pyrausta ostrinalis</i>	2,01	Lamiaceae, ?Plantaginaceae	xerwl
<i>Pyrausta nigrata</i>	2,01	Lamiaceae: <i>Mentha</i> , <i>Origanum</i> , <i>Thymus</i>	meswl
<i>Pyrausta aerealis</i>	2,01	herbs	mon
<i>Uresiphita gilvata</i>	4,01	Fabaceae	xerwl
<i>Nascia ciliaris</i>	1,04	Cyperaceae: <i>Carex</i> , <i>Cladium</i>	hygwl
<i>Sitochroa verticalis</i>	1,02	herbs: <i>Cirsium</i> , <i>Atriplex</i> etc	meswl
<i>Perinephela lancealis</i>	1,04	herbs: <i>Senecio</i> , <i>Stachys</i> etc	mesec
<i>Phlyctaenia perlucidalis</i>	1,04	Caprifoliaceae, Oleaceae	mesec
<i>Phlyctaenia perlucidalis</i>	1,04	<i>Cirsium</i>	hygwl
<i>Sclerocona acutella</i>	1,07	unknown	hygwl
<i>Ostrinia nubilalis</i>	B	herbs: esp. <i>Zea</i>	meswl
<i>Ebulea crocealis</i>	1,04	Asteraceae, <i>Teucrium</i>	meswl
<i>Anania verbascalis</i>	2,01	Scrophulariaceae: <i>Verbascum</i> , <i>Teucrium</i>	xerwl
<i>Anania funebris</i>	1,01	herbs	mon
<i>Eurrhyspara hortulata</i>	1,04	herbs: <i>Urtica</i> , <i>Stachys</i> , <i>Mentha</i>	mesec
<i>Paratalanta pandalis</i>	1,04	herbs: Lamiaceae, Asteraceae	meswl
<i>Paratalanta hyalinalis</i>	2,01	herbs: <i>Centaurea</i> , <i>Filipendula</i>	meswl
<i>Pleuroptya ruralis</i>	1,04	herbs: <i>Filipendula</i> , <i>Urtica</i> etc	meswl
<i>Mecyna flavalis</i>	1,04	herbs: <i>Galium</i> , <i>Urtica</i> etc	xerwl
<i>Agrotis nemoralis</i>	1,04	Corylaceae, Fagaceae: <i>Quercus</i>	mesfo
<i>Diasemiopsis ramburialis</i>	4,02	unknown	ubiq
<i>Palpita unionalis</i>	B	herbs, deciduous shrubs	ubiq
<i>Dolicharthria punctalis</i>	1,07	herbs	xerwl
<i>Metasia ophiatis</i>	2,04	unknown	xerwl
<i>Nomophila noctuella</i>	1,02	herbs, grass	ubiq
LASIOCAMPIDAE			
<i>Malacosoma neustria</i>	1,02	deciduous trees/shrubs: <i>Quercus</i> , Rosaceae	xerwl
<i>Malacosoma castrensis</i>	1,04	herbs	xerwl
<i>Malacosoma alpicola</i>	1,06	herbs, deciduous trees/shrubs	mon
<i>Lasiocampa trifolii</i>	1,03	herbs, grass	meswl
<i>Lasiocampa quercus</i>	D	<i>Salix</i> , <i>Quercus</i> , <i>Rubus</i> , <i>Calluna</i> etc	mesec
<i>Macrothylacia rubi</i>	2,01	herbs, <i>Rubus</i> , <i>Quercus</i> etc	meswl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Dendrolimus pini</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Euthrix potatoria</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Phyllodesma tremulifolia</i> (HÜBNER, 1810)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Gastropacha quercifolia</i> (LINNAEUS, 1758)	!	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Gastropacha populifolia</i> (DENIS & SCHIFFERMÜLLER, 1775)	!	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Odonestis pruni</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SATURNIIDAE																		
<i>Saturnia pavoniella</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPHINGIDAE																		
<i>Mimas tiliae</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Smerinthus ocellata</i> (LINNAEUS, 1758)	!	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Laotloe populi</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Agrius convolvuli</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Acherontia atropos</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Sphinx ligustri</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hyloicus pinastri</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hemaris fuciformis</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Macroglossum stellatarum</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Daphnis nerii</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Proserpinus proserpina</i> (PALLAS, 1772)	!	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hyles euphorbiae</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hyles livornica</i> (ESPER, 1780))	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Deilephila elpenor</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Deilephila porcellus</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
AXIIDAE																		
<i>Axia margarita</i> (HÜBNER, 1813)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
HESPERIIDAE																		
<i>Erynnis tages</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Spialia sertorius</i> (HOFFMANNSEGG, 1804)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pyrgus malvae</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pyrgus malvoides</i> (ELWES & EDWARDS, 1897)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pyrgus serratulae</i> (RAMBUR, 1840)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pyrgus armoricatus</i> OBERTHÜR, 1910	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pyrgus alveus</i> (HÜBNER, 1803)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Heteropterus morpheus</i> (PALLAS, 1771)	!	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Thymelicus lineola</i> (OCHSENHEIMER, 1808)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Thymelicus sylvestris</i> (PODA, 1761)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hesperia comma</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Ochlodes venata</i> (BREMER & GREY, 1853)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PAPILIONIDAE																		
<i>Ipliclides podalirius</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Papilio machaon</i> LINNAEUS, 1758	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PIERIDAE																		
<i>Leptidea sinapis</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Anthocharis cardamines</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Aporia crataegi</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pieris brassicae</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pieris rapae</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pieris napi</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pieris bryoniae</i> (HÜBNER, 1805)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pontia edusa</i> (FABRICIUS, 1777)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Colias croceus</i> (FOURCROY, 1785)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Colias alfacariensis</i> RUBBE, 1905	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Gonepteryx rhamni</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Dendrolimus pini</i>	1,03	Pinaceae: esp. <i>Pinus sylvestris</i>	mesfo
<i>Euthrix potatoria</i>	1,05	Poaceae: <i>Phragmites</i> , <i>Calamagrostis</i> , <i>Carex</i>	hygw
<i>Phyllodesma tremulifolia</i>	1,12	deciduous trees/shrubs: <i>Quercus</i> , <i>Fagus</i> , <i>Fraxinus</i> , <i>Sorbus</i>	xerar
<i>Gastropacha quercifolia</i>	1,04	deciduous trees/shrubs: <i>Frangula</i> , <i>Salix</i> , <i>Prunus</i> , <i>Malus</i>	mesec
<i>Gastropacha populifolia</i>	1,04	<i>Populus nigra</i>	mesfo
<i>Odonestis pruni</i>	1,04	deciduous trees/shrubs: <i>Prunus</i> , <i>Alnus</i> , <i>Quercus</i> , <i>Salix</i>	xerar
SATURNIIDAE			
<i>Saturnia pavoniella</i>	1,05	deciduous trees/shrubs, herbs	mesec
SPHINGIDAE			
<i>Mimas tiliae</i>	1,05	deciduous trees/shrubs: <i>Tilia</i> , <i>Quercus</i> , <i>Betula</i> , <i>Ulmus</i>	mesfo
<i>Smerinthus ocellata</i>	1,03	Salicaceae: <i>Salix</i> , <i>Populus</i> , Rosaceae	mesec
<i>Laotloe populi</i>	1,05	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesec
<i>Agrius convolvuli</i>	1,02	<i>Convolvulus</i>	ubiq
<i>Acherontia atropos</i>	4,01	Oleaceae, Solanaceae	ubiq
<i>Sphinx ligustri</i>	1,02	Oleaceae: esp. <i>Fraxinus</i> , Caprifoliaceae	mesfo
<i>Hyloicus pinastri</i>	1,02	Pinaceae: <i>Pinus</i> , <i>Picea</i> etc	mesfo
<i>Hemaris fuciformis</i>	1,04	Caprifoliaceae: esp. <i>Lonicera</i>	mesec
<i>Macroglossum stellatarum</i>	1,02	<i>Galium</i>	ubiq
<i>Daphnis nerii</i>	4,01	<i>Nerium oleander</i> , <i>Vinca</i>	ubiq
<i>Proserpinus proserpina</i>	1,09	Onagraceae: <i>Epilobium</i> , <i>Oenothera</i>	meswl
<i>Hyles euphorbiae</i>	1,02	<i>Euphorbia</i> , esp. <i>E. cyparissias</i>	xerwl
<i>Hyles livornica</i>	1,02	herbs: <i>Rumex</i> , <i>Galium</i> , <i>Linaria</i>	ubiq
<i>Deilephila elpenor</i>	1,04	herbs: <i>Galium</i> , <i>Epilobium</i> etc	meswl
<i>Deilephila porcellus</i>	1,03	herbs: <i>Galium</i> , <i>Epilobium</i>	meswl
AXIIDAE			
<i>Axia margarita</i>	3,02	<i>Euphorbia</i>	xerwl
HESPERIIDAE			
<i>Erynnis tages</i>	1,05	Fabaceae: <i>Lotus</i> , <i>Coronilla</i> , <i>Medicago</i> etc	meswl
<i>Spialia sertorius</i>	2,05	<i>Sanguisorba minor</i>	xerwl
<i>Pyrgus malvae</i>	1,04	Rosaceae: <i>Filipendula</i> , <i>Fragaria</i> , <i>Potentilla</i>	meswl
<i>Pyrgus malvoides</i>	2,05	<i>Potentilla</i>	meswl
<i>Pyrgus serratulae</i>	1,06	<i>Potentilla</i>	meswl
<i>Pyrgus armoricatus</i>	1,12	Rosaceae: <i>Potentilla</i> , Cistaceae: <i>Helianthemum</i>	meswl
<i>Pyrgus alveus</i>	1,04	<i>Helianthemum</i>	meswl
<i>Heteropterus morpheus</i>	1,05	Poaceae: esp. <i>Molinia</i> , <i>Phragmites</i>	hygw
<i>Thymelicus lineola</i>	1,01	Poaceae: <i>Festuca</i> , <i>Dactylis</i> , <i>Arrhenatherum</i>	meswl
<i>Thymelicus sylvestris</i>	1,12	Poaceae: <i>Festuca</i> , <i>Phleum</i> , <i>Deschampsia</i>	meswl
<i>Hesperia comma</i>	1,01	Poaceae: <i>Festuca</i> , <i>Poa</i> , <i>Agropyron</i>	meswl
<i>Ochlodes venata</i>	1,04	Poaceae: <i>Molinia</i> , <i>Dactylis</i> , <i>Phleum</i> etc	meswl
PAPILIONIDAE			
<i>Ipliclides podalirius</i>	1,06	Rosaceae: <i>Prunus</i> , <i>Crataegus</i> , <i>Amelanchier</i>	xerar
<i>Papilio machaon</i>	1,01	Apiaceae: <i>Daucus</i> , <i>Carum</i> , <i>Pimpinella</i> etc	meswl
PIERIDAE			
<i>Leptidea sinapis</i>	1,04	Fabaceae: <i>Lotus</i> , <i>Lathyrus</i> , <i>Trifolium</i> etc	meswl
<i>Anthocharis cardamines</i>	1,04	Brassicaceae: <i>Cardamine</i> , <i>Alliaria</i> , <i>Arabis</i> etc	mesec
<i>Aporia crataegi</i>	1,04	Rosaceae: <i>Prunus</i> , <i>Sorbus</i> , <i>Crataegus</i> , <i>Betula</i>	mesec
<i>Pieris brassicae</i>	1,04	Brassicaceae	ubiq
<i>Pieris rapae</i>	1,04	Brassicaceae	ubiq
<i>Pieris napi</i>	2,01	Brassicaceae: esp. <i>Cardamine</i> , <i>Alliaria</i>	meswl
<i>Pieris bryoniae</i>	1,05	Brassicaceae: <i>Biscutella</i> , <i>Cardamine</i> , <i>Thlaspi</i>	mon
<i>Pontia edusa</i>	3,02	Resedaceae, Brassicaceae	ubiq
<i>Colias croceus</i>	2,01	Fabaceae: <i>Lotus</i> , <i>Medicago</i> , <i>Onobrychis</i> etc	ubiq
<i>Colias alfacariensis</i>	2,01	<i>Hippocrepis comosa</i>	xerwl
<i>Gonepteryx rhamni</i>	1,07	<i>Frangula alnus</i>	mesec

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	Magredi di S. Quirino	Palude Fontana Abisso	Palude Fraghis	Paludi del Corno	Torbiera Scichizza	Torbiera di Sequals	Torbiera di Casola	Prati di Col S. Florenzo	Palude di Cima Corso	Torbiera di Pramollo	Torbiera di Lazzacco	Risorgive di Flambro	Torbiera di Curiedi	Risorgive di Zanicco	Palude del F. Cavana	Risorgive di Virco	Prati umidi di Quadris	Torbiera di B.go Pegoraro
LYCAENIDAE																		
<i>Hamearis lucina</i> (LINNAEUS, 1758)																		
<i>Lycaena phlaeas</i> (LINNAEUS, 1761)	+							*										
<i>Lycaena dispar</i> (HAWORTH, 1803)								*										
<i>Lycaena virgaureae</i> (LINNAEUS, 1758)																		
<i>Lycaena tityrus</i> (PODA, 1761)																		
<i>Neozephyrus quercus</i> (LINNAEUS, 1758)																		
<i>Callophrys rubi</i> (LINNAEUS, 1758)																		
<i>Satyrus w-album</i> (KNOCH, 1782)																		
<i>Satyrus spini</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Satyrus ilicis</i> (ESPER, 1799)																		
<i>Lampides boeticus</i> (LINNAEUS, 1767)																		
<i>Leptotes pirithous</i> (LINNAEUS, 1767)																		
<i>Cupido minimus</i> (FUESSLY, 1775)																		
<i>Cupido argiades</i> (PALLAS, 1771)																		
<i>Celastrina argiolus</i> (LINNAEUS, 1758)																		
<i>Pseudophilotes vicrama schiffmuelleri</i> (HEMMING, 1929)																		
<i>Glaucopteryx alexis</i> (PALLAS, 1771)																		
<i>Maculinea teleius</i> (BERGSTRÄSSER, 1779)																		
<i>Maculinea alcon</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Plebeius argus</i> (LINNAEUS, 1758)																		
<i>Plebeius idas</i> (LINNAEUS, 1761)																		
<i>Plebeius argyrognomon</i> (BERGSTRÄSSER, 1779)																		
<i>Aricia agestis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Aricia artaxerxes</i> (FABRICIUS, 1793)																		
<i>Polyommatus icarus</i> (ROTTEMBURG, 1775)																		
<i>Polyommatus bellargus</i> (ROTTEMBURG, 1775)																		
<i>Polyommatus coridon</i> (PALLAS, 1771)																		
NYMPHALIDAE																		
<i>Argynnis paphia</i> (LINNAEUS, 1758)																		
<i>Argynnis aglaja</i> (LINNAEUS, 1758)																		
<i>Argynnis adippe</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Argynnis niobe</i> (LINNAEUS, 1758)																		
<i>Brenthis ino</i> (ROTTEMBURG, 1775)																		
<i>Brenthis daphne</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Brenthis hecate</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Boloria dia</i> (LINNAEUS, 1767)																		
<i>Vanessa atalanta</i> (LINNAEUS, 1758)																		
<i>Vanessa cardui</i> (LINNAEUS, 1758)																		
<i>Inachis io</i> (LINNAEUS, 1758)																		
<i>Aglais urticae</i> (LINNAEUS, 1758)																		
<i>Polyommatus c-album</i> (LINNAEUS, 1758)																		
<i>Melitaea phoebe</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Melitaea didyma</i> (ESPER, 1779)																		
<i>Melitaea diamina</i> (LANG, 1789)																		
<i>Melitaea aurelia</i> (NICKERL, 1850)																		
<i>Melitaea athalia</i> (ROTTEMBURG, 1775)																		
<i>Limenitis camilla</i> (LINNAEUS, 1764)																		
<i>Limenitis reducta</i> STAUDINGER, 1901																		
<i>Apatura ilia</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Apatura iris</i> (LINNAEUS, 1758)																		
<i>Pararge aegeria</i> (LINNAEUS, 1758)																		
<i>Lasiommata megera</i> (LINNAEUS, 1767)																		
<i>Lopinga achine</i> (SCOPOLI, 1763)																		

Taxon	Chorotype	Larval hostplant	Ecotype
LYCAENIDAE			
<i>Hamearis lucina</i>	2,01	<i>Primula</i>	mesec
<i>Lycaena phlaeas</i>	1,01	<i>Rumex acetosa</i> , <i>R. acetosella</i>	meswl
<i>Lycaena dispar</i>	1,04	<i>Rumex aquaticus</i> , <i>R. hydrolapathum</i>	hygw
<i>Lycaena virgaureae</i>	1,05	<i>Rumex acetosa</i>	meswl
<i>Lycaena tityrus</i>	1,05	<i>Rumex</i>	meswl
<i>Neozephyrus quercus</i>	1,12	<i>Quercus</i>	mesfo
<i>Callophrys rubi</i>	1,04	herbs, deciduous shrubs	mesec
<i>Satyrus w-album</i>	1,05	<i>Ulmus</i>	mesfo
<i>Satyrus spini</i>	1,10	<i>Prunus spinosa</i> , <i>Rhamnus cathartica</i>	xerar
<i>Satyrus ilicis</i>	2,01	<i>Quercus</i> -shrubs	xerar
<i>Lampides boeticus</i>	4,01	Fabaceae: esp. <i>Colutea</i>	ubiq
<i>Leptotes pirithous</i>	3,01	Fabaceae	ubiq
<i>Cupido minimus</i>	1,01	Fabaceae	mon
<i>Cupido argiades</i>	1,01	Fabaceae	unknown
<i>Celastrina argiolus</i>	1,01	herbs, deciduous trees/shrubs (deciduous shrubs)	mesec
<i>Pseudophilotes vicrama schiffmuelleri</i>	1,04	<i>Thymus</i>	xerwl
<i>Glaucopteryx alexis</i>	1,07	Fabaceae	mesec
<i>Maculinea teleius</i>	1,05	<i>Sanguisorba officinalis</i>	hygw
<i>Maculinea alcon</i>	1,05	<i>Gentiana pneumonanthe</i> , <i>G. asclepiadea</i>	hygw
<i>Plebeius argus</i>	1,05	Fabaceae	meswl
<i>Plebeius idas</i>	1,01	Fabaceae, Ericaceae: <i>Calluna</i>	meswl
<i>Plebeius argyrognomon</i>	2,03	Fabaceae: <i>Astragalus</i> , <i>Coronilla varia</i>	meswl
<i>Aricia agestis</i>	1,04	Cistaceae, Geraniaceae	xerwl
<i>Aricia artaxerxes</i>	2,04	<i>Geranium</i> , <i>Helianthemum</i>	mon
<i>Polyommatus icarus</i>	1,04	Fabaceae: <i>Lotus</i> , <i>Trifolium</i> , <i>Medicago</i> etc	meswl
<i>Polyommatus bellargus</i>	2,01	Fabaceae	xerwl
<i>Polyommatus coridon</i>	2,01	Fabaceae	xerwl
NYMPHALIDAE			
<i>Argynnis paphia</i>	1,04	<i>Viola</i> , rarely <i>Rubus</i>	mesfo
<i>Argynnis aglaja</i>	1,04	herbs: <i>Viola</i> , <i>Polygonum</i>	mesfo
<i>Argynnis adippe</i>	1,04	<i>Viola</i>	mesfo
<i>Argynnis niobe</i>	1,04	<i>Viola</i>	mesfo
<i>Brenthis ino</i>	1,04	Rosaceae: <i>Filipendula</i> , <i>Sanguisorba</i> , <i>Rubus</i>	hygw
<i>Brenthis daphne</i>	1,04	<i>Rubus</i> , <i>Viola</i>	xerar
<i>Brenthis hecate</i>	1,06	herbs: <i>Dorycnium</i> , <i>Filipendula</i>	xerwl
<i>Boloria dia</i>	1,01	<i>Viola</i> , <i>Rubus</i>	meswl
<i>Vanessa atalanta</i>	B	<i>Urtica</i>	ubiq
<i>Vanessa cardui</i>	B	<i>Urtica</i> , <i>Carduus</i> , <i>Tussilago</i> etc	ubiq
<i>Inachis io</i>	1,04	Urticaceae: <i>Urtica</i> , <i>Lamulus lupulus</i>	ubiq
<i>Aglais urticae</i>	1,04	<i>Urtica</i>	ubiq
<i>Polyommatus c-album</i>	1,04	deciduous trees/shrubs: <i>Ribes</i> , <i>Ulmus</i> , herbs	mesfo
<i>Melitaea phoebe</i>	1,06	herbs: <i>Scabiosa</i> , <i>Cirsium</i> , <i>Plantago</i>	xerwl
<i>Melitaea didyma</i>	1,07	herbs: <i>Stachys</i> , <i>Veronica</i> etc	xerwl
<i>Melitaea diamina</i>	1,05	herbs: <i>Plantago</i> , <i>Polygonum</i> etc	hygw
<i>Melitaea aurelia</i>	1,10	herbs: <i>Plantago</i> , <i>Veronica</i> etc	xerwl
<i>Melitaea athalia</i>	1,05	herbs: <i>Plantago</i> , <i>Veronica</i> etc	meswl
<i>Limenitis camilla</i>	1,04	Caprifoliaceae: <i>Lonicera</i> , <i>Symphoricarpos</i>	mesfo
<i>Limenitis reducta</i>	2,04	<i>Lonicera</i>	xerar
<i>Apatura ilia</i>	1,04	<i>Populus tremula</i> , rarely <i>P. pyramidalis</i>	mesfo
<i>Apatura iris</i>	1,04	Salicaceae: <i>Salix</i> , rarely <i>Populus tremula</i>	mesfo
<i>Pararge aegeria</i>	2,01	Cyperaceae, Poaceae	mesfo
<i>Lasiommata megera</i>	2,01	Poaceae: <i>Festuca</i> , <i>Brachypodium</i>	xerwl
<i>Lopinga achine</i>	1,05	Poaceae	mesfo

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Coenonympha tullia</i> (MÜLLER, 1764)					*													
<i>Coenonympha oedippus</i> (FABRICIUS, 1787)	!																	
<i>Coenonympha arcania</i> (LINNAEUS, 1761)																		
<i>Coenonympha pamphilus</i> (LINNAEUS, 1758)																		
<i>Pyronia tithonus</i> (LINNAEUS, 1761)																		
<i>Aphantopus hyperantus</i> (LINNAEUS, 1758)																		
<i>Maniola jurtina</i> (LINNAEUS, 1758)																		
<i>Erebia ligea</i> (LINNAEUS, 1758)																		
<i>Erebia euryale</i> (ESPER, 1805)	!																	
<i>Erebia manto</i> (DENIS & SCHIFFERMÜLLER, 1775)	!																	
<i>Erebia melampus</i> (FUESSLY, 1775)	!																	
<i>Erebia aethiops</i> (ESPER, 1777)																		
<i>Erebia medusa</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Erebia pronoe</i> (ESPER, 1780)																		
<i>Melanargia galathea</i> (LINNAEUS, 1758)																		
<i>Satyrus ferula</i> (FABRICIUS, 1793)																		
<i>Minois dryas</i> (SCOPOLI, 1763)																		
<i>Hipparchia semele</i> (LINNAEUS, 1758)																		
<i>Hipparchia statilinus</i> (HUFNAGEL, 1766)	!																	
DREPANIDAE																		
<i>Thyatira batis</i> (LINNAEUS, 1758)								*										
<i>Habrosyne pyritoides</i> (HUFNAGEL, 1766)																		
<i>Tetthea ocularis</i> (LINNAEUS, 1767)	!							*										
<i>Tetthea or</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Tetthea fluctuosa</i> (HÜBNER, 1803)																		
<i>Ochropacha duplaris</i> (LINNAEUS, 1761)	!																	
<i>Watsonalla binaria</i> (HUFNAGEL, 1767)																		
<i>Watsonalla cultraria</i> (FABRICIUS, 1775)								*										
<i>Drepana falcatoria</i> (LINNAEUS, 1758)								*										
<i>Sabra harpagula</i> (ESPER, 1786)																		
<i>Cilix glaucata</i> (SCOPOLI, 1763)																		
GEOMETRIDAE																		
<i>Abraxas grossulariata</i> (LINNAEUS, 1758)																		
<i>Calospilus sylvata</i> (SCOPOLI, 1763)																		
<i>Lomaspilis marginata</i> (LINNAEUS, 1758)	!																	
<i>Ligdia adustata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Stegania cararia</i> (HÜBNER, 1790)	!							*										
<i>Stegania trimaculata</i> (DEVILLERS, 1789)	!																	
<i>Helimata glarearia</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Macaria notata</i> (LINNAEUS, 1758)																		
<i>Macaria alternata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Macaria liturata</i> (CLERCK, 1759)																		
<i>Macaria artisiaria</i> (DENIS & SCHIFFERMÜLLER, 1775)	*																	
<i>Chiasmia clathrata</i> (LINNAEUS, 1758)								*										
<i>Godonella aestimaria</i> (HÜBNER, 1809)																		
<i>Itame brunneata</i> (THUNBERG, 1794)																		
<i>Tephria arenacearia</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Rhoptria asperaria</i> (HÜBNER, 1817)																		
<i>Cepphis advenaria</i> (HÜBNER, 1790)								*										
<i>Petrophora chlorosata</i> (SCOPOLI, 1763)								*										
<i>Plagodis pulveraria</i> (LINNAEUS, 1758)																		
<i>Plagodis dolabraria</i> (LINNAEUS, 1767)																		
<i>Opisthograptis luteolata</i> (LINNAEUS, 1758)																		
<i>Epione repandaria</i> (HUFNAGEL, 1767)	!							*										

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Coenonympha tullia</i>	1,01	Cyperaceae, Poaceae: esp. <i>Eriophorum</i>	hygw1
<i>Coenonympha oedippus</i>	1,05	Cyperaceae, Poaceae	hygw1
<i>Coenonympha arcania</i>	2,01	Poaceae	meswl
<i>Coenonympha pamphilus</i>	1,07	Poaceae: <i>Festuca</i> , <i>Poa</i> , <i>Agrostis</i>	meswl
<i>Pyronia tithonus</i>	1,12	Poaceae	meswl
<i>Aphantopus hyperantus</i>	1,05	Cyperaceae, Poaceae	meswl
<i>Maniola jurtina</i>	2,01	Poaceae: <i>Bromus</i> , <i>Festuca</i> , <i>Poa</i> , <i>Holcus</i> etc	meswl
<i>Erebia ligea</i>	1,05	Cyperaceae, Poaceae	mesfo
<i>Erebia euryale</i>	2,01	Cyperaceae, Poaceae	mon
<i>Erebia manto</i>	2,01	Cyperaceae, Poaceae	mon
<i>Erebia melampus</i>	C	Poaceae: <i>Festuca</i> , <i>Poa</i> , <i>Anthoxanthum</i>	alp
<i>Erebia aethiops</i>	1,05	Poaceae	mesfo
<i>Erebia medusa</i>	1,05	Poaceae	meswl
<i>Erebia pronoe</i>	2,04	Poaceae: esp. <i>Festuca</i>	alp
<i>Melanargia galathea</i>	2,01	Poaceae: <i>Bromus</i> , <i>Poa</i> , <i>Brachypodium</i>	meswl
<i>Satyrus ferula</i>	1,07	<i>Festuca ovina</i>	xerwl
<i>Minois dryas</i>	1,04	Cyperaceae, Poaceae	hygw1
<i>Hipparchia semele</i>	2,01	Poaceae: esp. <i>Festuca ovina</i>	xerwl
<i>Hipparchia statilinus</i>	2,01	Poaceae	xerwl
DREPANIDAE			
<i>Thyatira batis</i>	1,02	<i>Rubus</i>	meswl
<i>Habrosyne pyritoides</i>	1,04	<i>Rubus</i>	meswl
<i>Tetthea ocularis</i>	1,04	<i>Populus</i>	mesfo
<i>Tetthea or</i>	1,05	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Tetthea fluctuosa</i>	1,05	<i>Betula</i>	mesfo
<i>Ochropacha duplaris</i>	1,05	deciduous trees/shrubs: <i>Alnus</i> , <i>Betula</i> , <i>Populus</i>	mesfo
<i>Watsonalla binaria</i>	2,01	deciduous trees/shrubs: <i>Quercus</i> , <i>Fagus</i> , <i>Alnus</i>	mesfo
<i>Watsonalla cultraria</i>	2,01	Fagaceae: <i>Fagus</i> , ? <i>Quercus</i>	mesfo
<i>Drepana falcatoria</i>	1,05	deciduous trees/shrubs: esp. <i>Betula</i> , <i>Alnus</i>	mesfo
<i>Sabra harpagula</i>	1,05	Fagaceae: <i>Quercus</i> , ? <i>Tilia</i> , ? <i>Malus</i>	mesfo
<i>Cilix glaucata</i>	1,03	Rosaceae: <i>Prunus</i> , <i>Crataegus</i> , ? <i>Malus</i>	xerwl
GEOMETRIDAE			
<i>Abraxas grossulariata</i>	1,05	deciduous trees/shrubs: esp. <i>Ribes</i>	xerwl
<i>Calospilus sylvata</i>	1,05	deciduous trees/shrubs: <i>Ulmus</i> , <i>Prunus</i> , <i>Rhamnus</i> , <i>Betula</i>	mesfo
<i>Lomaspilis marginata</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Populus</i> , <i>Betula</i> , <i>Corylus</i>	mesfo
<i>Ligdia adustata</i>	1,05	<i>Euonymus</i>	mesfo
<i>Stegania cararia</i>	2,04	<i>Populus</i> , ? <i>Tilia</i> , ? <i>Quercus</i>	mesfo
<i>Stegania trimaculata</i>	2,04	<i>Populus</i>	mesfo
<i>Helimata glarearia</i>	2,04	Fabaceae	xerwl
<i>Macaria notata</i>	1,05	deciduous trees/shrubs: <i>Quercus</i> , <i>Betula</i> , <i>Alnus</i> , <i>Salix</i>	mesfo
<i>Macaria alternata</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Alnus</i> , <i>Quercus</i> , <i>Prunus</i>	mesfo
<i>Macaria liturata</i>	1,05	Pinaceae, Cupressaceae	mesfo
<i>Macaria artisiaria</i>	2,01	<i>Salix</i>	hygw1
<i>Chiasmia clathrata</i>	1,02	Fabaceae	meswl
<i>Godonella aestimaria</i>	1,08	<i>Tamarix</i>	hygw1
<i>Itame brunneata</i>	1,05	Ericaceae: <i>Vaccinium</i> , Salicaceae: <i>Salix</i>	mesfo
<i>Tephria arenacearia</i>	2,04	Fabaceae	xerwl
<i>Rhoptria asperaria</i>	3,01	Cistaceae	xerwl
<i>Cepphis advenaria</i>	1,04	herbs, <i>Vaccinium</i>	mesfo
<i>Petrophora chlorosata</i>	1,04	ferns: <i>Pteridium</i> , <i>Dryopteris</i>	meswl
<i>Plagodis pulveraria</i>	1,04	deciduous trees/shrubs	mesfo
<i>Plagodis dolabraria</i>	1,04	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> etc	mesfo
<i>Opisthograptis luteolata</i>	1,03	deciduous trees/shrubs, <i>Lonicera</i> , <i>Salix</i> , <i>Crataegus</i> etc	mesfo
<i>Epione repandaria</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Populus</i> , <i>Alnus</i> , <i>Prunus</i>	mesfo

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Epione vespertaria</i> (LINNAEUS, 1767)	+																	
<i>Apeira syringaria</i> (LINNAEUS, 1758)																		
<i>Ennomos fuscantaria</i> (HAWORTH, 1809)																		
<i>Ennomos erosaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Selenia dentaria</i> (FABRICIUS, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Selenia lunularia</i> (HÜBNER, 1788)																		
<i>Selenia tetralunaria</i> (HUFNAGEL, 1767)																		
<i>Artiora evonymaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Crocallis elinguaris</i> (LINNAEUS, 1758)																		
<i>Ourapteryx sambucaria</i> (LINNAEUS, 1758)																		
<i>Angerona prunaria</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Lycia hirtaria</i> (CLERCK, 1759)	*																	
<i>Biston strataria</i> (HUFNAGEL, 1767)	*																	
<i>Biston betularia</i> (LINNAEUS, 1758)																		
<i>Agriopsis marginaria</i> (FABRICIUS, 1776)																		
<i>Menophra abruptaria</i> (THUNBERG, 1792)	*																	
<i>Synopsis sociaria</i> (HÜBNER, 1799)	+																	
<i>Peribatodes rhomboidaria</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Peribatodes secundaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Selidosema plumaria</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Cleora cinctaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Deileptenia ribeata</i> (CLERCK, 1759)																		
<i>Alcis repandata</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hypomecis roboraria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Hypomecis punctinalis</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Fagivorina arenaria</i> (HUFNAGEL, 1767)																		
<i>Ascotis selenaria</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Ectropis crepuscularia</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Paradarisa consonaria</i> (HÜBNER, 1799)																		
<i>Parectropis similaria</i> (HUFNAGEL, 1767)																		
<i>Aethalura punctulata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Ematurga atomaria</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Eumannia lepraria</i> (REBEL, 1909)																		
<i>Bupalus piniaria</i> (LINNAEUS, 1758)																		
<i>Cabera pusaria</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cabera exanthemata</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Lomographa bimaculata</i> (FABRICIUS, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Lomographa temerata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Campaea margaritata</i> (LINNAEUS, 1767)																		
<i>Hylaea fasciaria</i> (LINNAEUS, 1758)																		
<i>Pungeleria capreolaria</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Neognophina supinaria</i> (MANN, 1854)	+																	
<i>Rhopalognophos glaucinaria</i> (HÜBNER, 1799)																		
<i>Elophos dilucidaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Elophos vittaria</i> (THUNBERG, 1788)																		
<i>Elophos zelleraria</i> (FREYER, 1836)																		
<i>Chariaspilates formosaria</i> (EVERSMANN, 1837)	+																	
<i>Dyscia raunaria</i> (FREYER, 1852)	+																	
<i>Perconia strigillaria</i> (HÜBNER, 1787)																		
<i>Alsophila aescularia</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Aplasta ononaria</i> (FUESSLY, 1783)																		
<i>Pseudoterpna pruinata</i> (HUFNAGEL, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Geometra papilionaria</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Comibaena bajularia</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Antonechloris smaragdaria</i> (FABRICIUS, 1787)	+																	

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Epione vespertaria</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Populus</i> , <i>Betula</i> , <i>Corylus</i>	mesfo
<i>Apeira syringaria</i>	1,05	Oleaceae, Caprifoliaceae	mesfo
<i>Ennomos fuscantaria</i>	1,05	Oleaceae: <i>Fraxinus</i> , <i>Ligustrum</i>	mesfo
<i>Ennomos erosaria</i>	2,01	deciduous trees/shrubs: <i>Quercus</i> , <i>Fagus</i> , <i>Tilia</i> , <i>Betula</i>	mesfo
<i>Selenia dentaria</i>	1,05	deciduous trees/shrubs: <i>Rubus</i> , <i>Vaccinium</i>	mesfo
<i>Selenia lunularia</i>	1,07	deciduous trees/shrubs	mesfo
<i>Selenia tetralunaria</i>	1,04	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> , <i>Alnus</i> , <i>Salix</i> etc	mesfo
<i>Artiora evonymaria</i>	2,04	<i>Euonymus</i>	mesfo
<i>Crocallis elinguaris</i>	1,05	deciduous trees/shrubs, <i>Vaccinium</i>	mesfo
<i>Ourapteryx sambucaria</i>	1,05	deciduous shrubs	mesfo
<i>Angerona prunaria</i>	1,04	deciduous shrubs	mesfo
<i>Lycia hirtaria</i>	1,04	deciduous trees/shrubs	mesfo
<i>Biston strataria</i>	1,02	deciduous trees/shrubs	mesfo
<i>Biston betularia</i>	1,04	deciduous trees/shrubs, <i>Rubus</i> , <i>Artemisia</i>	mesfo
<i>Agriopsis marginaria</i>	2,01	deciduous trees/shrubs	mesfo
<i>Menophra abruptaria</i>	2,04	deciduous trees/shrubs, esp. Oleaceae	mesec
<i>Synopsis sociaria</i>	1,07	herbs	xerwl
<i>Peribatodes rhomboidaria</i>	1,07	deciduous trees/shrubs, herbs	mesec
<i>Peribatodes secundaria</i>	2,01	Pinaceae, Cupressaceae	mesfo
<i>Selidosema plumaria</i>	1,12	herbs: esp. Fabaceae, <i>Calluna</i>	xerwl
<i>Cleora cinctaria</i>	1,05	herbs, deciduous trees/shrubs	mesfo
<i>Deileptenia ribeata</i>	1,05	deciduous trees/shrubs, conifers	mesfo
<i>Alcis repandata</i>	1,03	deciduous trees/shrubs, conifers, herbs	mesec
<i>Hypomecis roboraria</i>	1,05	deciduous trees/shrubs: <i>Quercus</i> , <i>Ulmus</i> , <i>Betula</i> , <i>Malus</i>	mesfo
<i>Hypomecis punctinalis</i>	1,05	deciduous trees/shrubs, conifers	mesfo
<i>Fagivorina arenaria</i>	2,01	deciduous trees/shrubs	mesfo
<i>Ascotis selenaria</i>	1,05	herbs, deciduous shrubs	mesec
<i>Ectropis crepuscularia</i>	1,05	deciduous trees/shrubs, conifers, herbs	mesec
<i>Paradarisa consonaria</i>	1,05	deciduous trees/shrubs	mesfo
<i>Parectropis similaria</i>	1,05	deciduous trees/shrubs	mesfo
<i>Aethalura punctulata</i>	1,03	Betulaceae	mesfo
<i>Ematurga atomaria</i>	1,05	Fabaceae, <i>Centaurea</i> , <i>Artemisia</i>	meswl
<i>Eumannia lepraria</i>	3,03	unknown	xerwl
<i>Bupalus piniaria</i>	1,05	Pinaceae: <i>Pinus sylvestris</i> , rarely <i>Picea</i>	mesfo
<i>Cabera pusaria</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Betula</i> , <i>Quercus</i> etc	mesfo
<i>Cabera exanthemata</i>	1,01	deciduous trees/shrubs: <i>Salix</i> , <i>Betula</i> , <i>Alnus</i> etc	mesfo
<i>Lomographa bimaculata</i>	1,05	deciduous trees/shrubs: <i>Prunus</i> , <i>Betula</i> , <i>Quercus</i> etc	mesfo
<i>Lomographa temerata</i>	1,05	deciduous trees/shrubs: <i>Prunus</i> , <i>Salix</i> , <i>Quercus</i> etc	mesfo
<i>Campaea margaritata</i>	2,01	deciduous trees/shrubs: <i>Salix</i> , <i>Betula</i> , <i>Quercus</i> etc	mesfo
<i>Hylaea fasciaria</i>	1,05	Pinaceae	mesfo
<i>Pungeleria capreolaria</i>	2,04	Pinaceae: <i>Picea</i> , <i>Abies</i>	mesfo
<i>Neognophina supinaria</i>	3,03	herbs	xerwl
<i>Rhopalognophos glaucinaria</i>	1,10	herbs	mon
<i>Elophos dilucidaria</i>	1,05	herbs, grass	mesfo
<i>Elophos vittaria</i>	1,05	herbs, deciduous shrubs	mon
<i>Elophos zelleraria</i>	2,03	herbs	alp
<i>Chariaspilates formosaria</i>	2,04	herbs: esp. <i>Lysimachia</i> , <i>Caltha</i>	hygw
<i>Dyscia raunaria</i>	3,03	herbs	xerwl
<i>Perconia strigillaria</i>	1,05	herbs	mesec
<i>Alsophila aescularia</i>	1,10	deciduous trees/shrubs	mesfo
<i>Aplasta ononaria</i>	1,10	<i>Ononis</i>	xerwl
<i>Pseudoterpna pruinata</i>	1,07	Fabaceae: <i>Genista</i> , <i>Cytisus</i>	mesec
<i>Geometra papilionaria</i>	1,04	deciduous trees/shrubs: <i>Betula</i> , <i>Alnus</i> , <i>Salix</i> , <i>Tilia</i> etc	mesfo
<i>Comibaena bajularia</i>	2,01	<i>Quercus</i>	mesfo
<i>Antonechloris smaragdaria</i>	1,04	Asteraceae	xerwl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Epione vespertaria</i> (LINNAEUS, 1767)																		
<i>Apeira syringaria</i> (LINNAEUS, 1758)																		
<i>Ennomos fuscantaria</i> (HAWORTH, 1809)																		
<i>Ennomos erosaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Selenia dentaria</i> (FABRICIUS, 1775)																		
<i>Selenia lunularia</i> (HÜBNER, 1788)																		
<i>Selenia tetralunaria</i> (HUFNAGEL, 1767)																		
<i>Artiora evonymaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Crocallis elinguaris</i> (LINNAEUS, 1758)																		
<i>Ourapteryx sambucaria</i> (LINNAEUS, 1758)																		
<i>Angerona prunaria</i> (LINNAEUS, 1758)																		
<i>Lycia hirtaria</i> (CLERCK, 1759)																		
<i>Biston strataria</i> (HUFNAGEL, 1767)																		
<i>Biston betularia</i> (LINNAEUS, 1758)																		
<i>Agriopis marginaria</i> (FABRICIUS, 1776)																		
<i>Menophra abruptaria</i> (THUNBERG, 1792)																		
<i>Synopsis sociaria</i> (HÜBNER, 1799)																		
<i>Peribatodes rhomboidaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Peribatodes secundaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Selidosema plumaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Cleora cinctaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Deileptenia ribeata</i> (CLERCK, 1759)																		
<i>Alcis repandata</i> (LINNAEUS, 1758)																		
<i>Hypomecis roboraria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Hypomecis punctinalis</i> (SCOPOLI, 1763)																		
<i>Fagivorina arenaria</i> (HUFNAGEL, 1767)																		
<i>Ascotis selenaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Ectropis crepuscularia</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Paradarisa consonaria</i> (HÜBNER, 1799)																		
<i>Parectropis similaria</i> (HUFNAGEL, 1767)																		
<i>Aethalura punctulata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Ematurga atomaria</i> (LINNAEUS, 1758)																		
<i>Eumannia lepraria</i> (REBEL, 1909)																		
<i>Bupalus piniaria</i> (LINNAEUS, 1758)																		
<i>Cabera pusaria</i> (LINNAEUS, 1758)																		
<i>Cabera exanthemata</i> (SCOPOLI, 1763)																		
<i>Lomographa bimaculata</i> (FABRICIUS, 1775)																		
<i>Lomographa temerata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Campaea margaritata</i> (LINNAEUS, 1767)																		
<i>Hylaea fasciaria</i> (LINNAEUS, 1758)																		
<i>Pungeleria capreolaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Neognophina supinaria</i> (MANN, 1854)																		
<i>Rhopalognophos glaucinaria</i> (HÜBNER, 1799)																		
<i>Elophos dilucidaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Elophos vittaria</i> (THUNBERG, 1788)																		
<i>Elophos zelleraria</i> (FREYER, 1836)																		
<i>Chariaspilates formosaria</i> (EVERSMANN, 1837)																		
<i>Dyscia raunaria</i> (FREYER, 1852)																		
<i>Perconia strigillaria</i> (HÜBNER, 1787)																		
<i>Alsophila aescularia</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Aplasta ononaria</i> (FUSSLY, 1783)																		
<i>Pseudoterpna pruinata</i> (HUFNAGEL, 1767)																		
<i>Geometra papilionaria</i> (LINNAEUS, 1758)																		
<i>Comibaena bajularia</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Antonechloris smaragdaria</i> (FABRICIUS, 1787)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Epione vespertaria</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Populus</i> , <i>Betula</i> , <i>Corylus</i>	mesfo
<i>Apeira syringaria</i>	1,05	Oleaceae, Caprifoliaceae	mesfo
<i>Ennomos fuscantaria</i>	1,05	Oleaceae: <i>Fraxinus</i> , <i>Ligustrum</i>	mesfo
<i>Ennomos erosaria</i>	2,01	deciduous trees/shrubs: <i>Quercus</i> , <i>Fagus</i> , <i>Tilia</i> , <i>Betula</i>	mesfo
<i>Selenia dentaria</i>	1,05	deciduous trees/shrubs: <i>Rubus</i> , <i>Vaccinium</i>	mesfo
<i>Selenia lunularia</i>	1,07	deciduous trees/shrubs	mesfo
<i>Selenia tetralunaria</i>	1,04	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> , <i>Alnus</i> , <i>Salix</i> etc	mesfo
<i>Artiora evonymaria</i>	2,04	<i>Euonymus</i>	mesfo
<i>Crocallis elinguaris</i>	1,05	deciduous trees/shrubs, <i>Vaccinium</i>	mesfo
<i>Ourapteryx sambucaria</i>	1,05	deciduous shrubs	mesfo
<i>Angerona prunaria</i>	1,04	deciduous shrubs	mesfo
<i>Lycia hirtaria</i>	1,04	deciduous trees/shrubs	mesfo
<i>Biston strataria</i>	1,02	deciduous trees/shrubs	mesfo
<i>Biston betularia</i>	1,04	deciduous trees/shrubs: <i>Rubus</i> , <i>Artemisia</i>	mesfo
<i>Agriopis marginaria</i>	2,01	deciduous trees/shrubs	mesfo
<i>Menophra abruptaria</i>	2,04	deciduous trees/shrubs, esp. Oleaceae	mesec
<i>Synopsis sociaria</i>	1,07	herbs	xerwl
<i>Peribatodes rhomboidaria</i>	1,07	deciduous trees/shrubs, herbs	mesec
<i>Peribatodes secundaria</i>	2,01	Pinaceae, Cupressaceae	mesfo
<i>Selidosema plumaria</i>	1,12	herbs: esp. Fabaceae, <i>Calluna</i>	xerwl
<i>Cleora cinctaria</i>	1,05	herbs, deciduous trees/shrubs	mesfo
<i>Deileptenia ribeata</i>	1,05	deciduous trees/shrubs, conifers	mesfo
<i>Alcis repandata</i>	1,03	deciduous trees/shrubs, conifers, herbs	mesec
<i>Hypomecis roboraria</i>	1,05	deciduous trees/shrubs: <i>Quercus</i> , <i>Ulmus</i> , <i>Betula</i> , <i>Malus</i>	mesfo
<i>Hypomecis punctinalis</i>	1,05	deciduous trees/shrubs, conifers	mesfo
<i>Fagivorina arenaria</i>	2,01	deciduous trees/shrubs	mesfo
<i>Ascotis selenaria</i>	1,05	herbs, deciduous shrubs	mesec
<i>Ectropis crepuscularia</i>	1,05	deciduous trees/shrubs, conifers, herbs	mesec
<i>Paradarisa consonaria</i>	1,05	deciduous trees/shrubs	mesfo
<i>Parectropis similaria</i>	1,05	deciduous trees/shrubs	mesfo
<i>Aethalura punctulata</i>	1,03	Betulaceae	mesfo
<i>Ematurga atomaria</i>	1,05	Fabaceae, <i>Centaurea</i> , <i>Artemisia</i>	meswl
<i>Eumannia lepraria</i>	3,03	unknown	xerwl
<i>Bupalus piniaria</i>	1,05	Pinaceae: <i>Pinus sylvestris</i> , rarely <i>Picea</i>	mesfo
<i>Cabera pusaria</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Betula</i> , <i>Quercus</i> etc	mesfo
<i>Cabera exanthemata</i>	1,01	deciduous trees/shrubs: <i>Salix</i> , <i>Betula</i> , <i>Alnus</i> etc	mesfo
<i>Lomographa bimaculata</i>	1,05	deciduous trees/shrubs: <i>Prunus</i> , <i>Betula</i> , <i>Quercus</i> etc	mesfo
<i>Lomographa temerata</i>	1,05	deciduous trees/shrubs: <i>Prunus</i> , <i>Salix</i> , <i>Quercus</i> etc	mesfo
<i>Campaea margaritata</i>	2,01	deciduous trees/shrubs: <i>Salix</i> , <i>Betula</i> , <i>Quercus</i> etc	mesfo
<i>Hylaea fasciaria</i>	1,05	Pinaceae	mesfo
<i>Pungeleria capreolaria</i>	2,04	Pinaceae: <i>Picea</i> , <i>Abies</i>	mesfo
<i>Neognophina supinaria</i>	3,03	herbs	xerwl
<i>Rhopalognophos glaucinaria</i>	1,10	herbs	mon
<i>Elophos dilucidaria</i>	1,05	herbs, grass	mesfo
<i>Elophos vittaria</i>	1,05	herbs, deciduous shrubs	mon
<i>Elophos zelleraria</i>	2,03	herbs	alp
<i>Chariaspilates formosaria</i>	2,04	herbs: esp. <i>Lysimachia</i> , <i>Caltha</i>	hygw
<i>Dyscia raunaria</i>	3,03	herbs	xerwl
<i>Perconia strigillaria</i>	1,05	herbs	mesec
<i>Alsophila aescularia</i>	1,10	deciduous trees/shrubs	mesfo
<i>Aplasta ononaria</i>	1,10	<i>Ononis</i>	xerwl
<i>Pseudoterpna pruinata</i>	1,07	Fabaceae: <i>Genista</i> , <i>Cytisus</i>	mesec
<i>Geometra papilionaria</i>	1,04	deciduous trees/shrubs: <i>Betula</i> , <i>Alnus</i> , <i>Salix</i> , <i>Tilia</i> etc	mesfo
<i>Comibaena bajularia</i>	2,01	<i>Quercus</i>	mesfo
<i>Antonechloris smaragdaria</i>	1,04	Asteraceae	xerwl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Hemitea aestivaria</i> (HÜBNER, 1799)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Phaiothymus etruscaria</i> (ZELLER, 1849)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Chlorissa viridata</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Chlorissa cloraria</i> (HÜBNER, 1813)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Thalera fimbrialis</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hemistola chrysoprasaria</i> (ESPER, 1795)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Jodis lactearia</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cyclophora pendularia</i> (CLERCK, 1759)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cyclophora annularia</i> (FABRICIUS, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cyclophora pupillaria</i> (HÜBNER, 1799)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cyclophora quercimontaria</i> (BASTELBERGER, 1897)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cyclophora punctaria</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cyclophora linearia</i> (HÜBNER, 1799)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Timandra comae</i> A. SCHMIDT, 1931	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula immorata</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula corralaria</i> (KRETSCHMAR, 1862)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula caricaria</i> (REUTTI, 1853)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula nigropunctata</i> (HUFNAGEL, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula virgulata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula ornata</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula decorata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula rubiginata</i> (HUFNAGEL, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula marginipunctata</i> (GOEZE, 1781)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula incanata</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula imitaria</i> (HÜBNER, 1799)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula immutata</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula ternata</i> (SCHRANK, 1802)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scopula emutaria</i> (HÜBNER, 1809)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea ochrata</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea serpentina</i> (HUFNAGEL, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea muricata</i> (HUFNAGEL, 1766)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea rusticata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea laevigata</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea moniliata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea sylvestriaria</i> (HÜBNER, 1799)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea obsoletaria</i> (RAMBUR, 1833)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea biselata</i> (HUFNAGEL, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea inquinata</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea fuscovenosa</i> (GOEZE, 1781)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea humiliata</i> (HUFNAGEL, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea politaria</i> (HÜBNER, 1799)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea dimidiata</i> (HUFNAGEL, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea subsericeata</i> (HAWORTH, 1809)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea pallidata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea aversata</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea degeneraria</i> (HÜBNER, 1799)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea straminata</i> (BORKHAUSEN, 1794)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Idaea deversaria</i> (HERRICH-SCHÄFFER, 1847)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Emmiltis pygmaearia</i> (HÜBNER, 1809)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Rhodostrophia vibicaria</i> (CLERCK, 1759)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Rhodometra sacraria</i> (LINNAEUS, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cataclysmus rigata</i> (HÜBNER, 1813)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Phibalapteryx virgata</i> (HUFNAGEL, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scotopteryx moenata</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Scotopteryx coarctaria</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Hemitea aestivaria</i>	1,04	deciduous trees/shrubs: <i>Quercus</i> , <i>Betula</i> , <i>Alnus</i> , <i>Rhamnus</i>	mesfo
<i>Phaiothymus etruscaria</i>	1,09	herbs, esp. Apiaceae: <i>Peucedanum</i> , <i>Bupleurum</i>	xerwl
<i>Chlorissa viridata</i>	1,05	<i>Calluna</i> , deciduous trees/shrubs	mesec
<i>Chlorissa cloraria</i>	1,10	herbs, deciduous shrubs	xerwl
<i>Thalera fimbrialis</i>	1,04	herbs	mesec
<i>Hemistola chrysoprasaria</i>	1,02	<i>Clematis</i>	mesec
<i>Jodis lactearia</i>	1,04	deciduous trees/shrubs: <i>Betula</i> , <i>Quercus</i> , <i>Vaccinium</i>	mesec
<i>Cyclophora pendularia</i>	1,04	deciduous trees/shrubs	mesfo
<i>Cyclophora annularia</i>	2,01	<i>Acer campestre</i>	mesfo
<i>Cyclophora pupillaria</i>	1,09	<i>Quercus</i>	mesfo
<i>Cyclophora quercimontaria</i>	2,01	<i>Quercus</i>	mesfo
<i>Cyclophora punctaria</i>	2,01	Fagaceae: <i>Quercus</i> , Betulaceae: <i>Betula</i>	mesfo
<i>Cyclophora linearia</i>	2,01	deciduous trees/shrubs: <i>Quercus</i> , <i>Betula</i> , <i>Vaccinium</i> etc	mesfo
<i>Timandra comae</i>	1,04	Polygonaceae: <i>Rumex</i> , <i>Polygonum</i>	mesec
<i>Scopula immorata</i>	1,05	herbs	meswl
<i>Scopula corralaria</i>	1,04	herbs	hygw
<i>Scopula caricaria</i>	1,05	herbs: <i>Centaurea</i> , <i>Artemisia</i>	hygw
<i>Scopula nigropunctata</i>	1,04	herbs, rarely deciduous trees/shrubs	meswl
<i>Scopula virgulata</i>	1,05	herbs, Poaceae	xerwl
<i>Scopula ornata</i>	1,04	herbs	meswl
<i>Scopula decorata</i>	1,05	<i>Thymus</i>	xerwl
<i>Scopula rubiginata</i>	1,04	herbs	xerwl
<i>Scopula marginipunctata</i>	1,07	herbs	xerwl
<i>Scopula incanata</i>	1,05	herbs	mon
<i>Scopula imitaria</i>	1,03	herbs, deciduous shrubs	xerwl
<i>Scopula immutata</i>	1,05	herbs, Poaceae	hygw
<i>Scopula ternata</i>	1,05	herbs, esp. Ericaceae	mesfo
<i>Scopula emutaria</i>	2,01	<i>Armeria</i> , <i>Limonium</i>	hygw
<i>Idaea ochrata</i>	1,07	herbs, Poaceae	xerwl
<i>Idaea serpentina</i>	1,05	herbs, Poaceae	meswl
<i>Idaea muricata</i>	1,04	herbs: <i>Galium</i> , <i>Potentilla</i> etc	hygw
<i>Idaea rusticata</i>	1,03	herbs, deciduous shrubs	xerwl
<i>Idaea laevigata</i>	2,04	withered/decaying leaves	ubiq
<i>Idaea moniliata</i>	1,01	herbs	xerwl
<i>Idaea sylvestriaria</i>	1,05	herbs	xerwl
<i>Idaea obsoletaria</i>	1,10	herbs	xerwl
<i>Idaea biselata</i>	1,04	dry leaves, herbs, grass	mesfo
<i>Idaea inquinata</i>	1,03	dry leaves	ubiq
<i>Idaea fuscovenosa</i>	1,03	withered/decaying leaves, moss	?xerwl
<i>Idaea humiliata</i>	1,03	herbs: esp. <i>Ononis</i>	meswl
<i>Idaea politaria</i>	1,10	herbs	xerwl
<i>Idaea dimidiata</i>	1,01	withered/decaying leaves	mesec
<i>Idaea subsericeata</i>	1,02	withered/decaying leaves	xerwl
<i>Idaea pallidata</i>	1,05	withered/decaying leaves	mesec
<i>Idaea aversata</i>	1,02	withered leaves	mesfo
<i>Idaea degeneraria</i>	1,09	herbs, deciduous trees/shrubs	mesec
<i>Idaea straminata</i>	1,05	herbs, deciduous trees/shrubs	mesec
<i>Idaea deversaria</i>	1,02	herbs	mesec
<i>Emmiltis pygmaearia</i>	2,04	unknown	xerwl
<i>Rhodostrophia vibicaria</i>	1,05	herbs: esp. Fabaceae	xerwl
<i>Rhodometra sacraria</i>	1,08	<i>Polygonum aviculare</i>	ubiq
<i>Cataclysmus rigata</i>	1,07	Rubiaceae: <i>Galium</i> , <i>Asperula</i>	xerwl
<i>Phibalapteryx virgata</i>	1,05	herbs: esp. <i>Galium</i>	xerwl
<i>Scotopteryx moenata</i>	2,01	Fabaceae: <i>Genista</i> , <i>Laburnum</i>	mesec
<i>Scotopteryx coarctaria</i>	1,10	Fabaceae: <i>Genista</i> , <i>Cytisus</i>	xerwl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Scotopteryx bipunctaria</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Scotopteryx chenopodiata</i> (LINNAEUS, 1758)																		
<i>Scotopteryx mucronata</i> (SCOPOLI, 1763)	+																	
<i>Scotopteryx luridata</i> (HUFNAGEL, 1767)	+																	
<i>Orthonama obstipata</i> (FABRICIUS, 1794)																		
<i>Xanthorhoe birivata</i> (BORKHAUSEN, 1794)																		
<i>Xanthorhoe spadicearia</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Xanthorhoe ferrugata</i> (CLERCK, 1759)	+	+																
<i>Xanthorhoe quadrifasciata</i> (CLERCK, 1759)																		
<i>Xanthorhoe montanata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Xanthorhoe fluctuata</i> (LINNAEUS, 1758)																		
<i>Catarhoe rubidata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Catarhoe cuculata</i> (HUFNAGEL, 1767)	+																	
<i>Epirrhoe tristata</i> (LINNAEUS, 1759)	+	+																
<i>Epirrhoe alternata</i> (MÜLLER, 1764)	+	+																
<i>Epirrhoe rivata</i> (HÜBNER, 1813)	+	+																
<i>Costaconvexa polygrammata</i> (BORKHAUSEN, 1794)																		
<i>Camptogramma bilineata</i> (LINNAEUS, 1758)																		
<i>Entephria nobiliaria</i> (H. SCHÄFER, 1852)/ <i>flavata</i> (OSTHEIDER, 1929)																		
<i>Entephria flavicinctata</i> (HÜBNER, 1813)																		
<i>Entephria caesiata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Anticlea badiata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Mesoleuca albicillata</i> (LINNAEUS, 1758)																		
<i>Pelurga comitata</i> (LINNAEUS, 1758)	+																	
<i>Cosmorhoe ocellata</i> (LINNAEUS, 1758)	+																	
<i>Nebula salicata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Eulithis populata</i> (LINNAEUS, 1761)																		
<i>Eulithis pyraliata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Chloroclysta siterata</i> (HUFNAGEL, 1767)																		
<i>Chloroclysta citrata</i> (LINNAEUS, 1761)																		
<i>Chloroclysta truncata</i> (HUFNAGEL, 1767)																		
<i>Cidaria fulvata</i> (FORSTER, 1771)																		
<i>Plemyria rubiginata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Pennithera firmata</i> (HÜBNER, 1822)																		
<i>Thera variata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Thera cognata</i> (THUNBERG, 1792)																		
<i>Colostygia aptata</i> (HÜBNER, 1813)																		
<i>Colostygia olivata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Colostygia aqueata</i> (HÜBNER, 1813)																		
<i>Colostygia pectinataria</i> (KNOCH, 1781)																		
<i>Hydriomena furcata</i> (THUNBERG, 1784)																		
<i>Hydriomena impluviata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Horisme vitalbata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+																
<i>Horisme tersata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Melanthia procellata</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Pareulype berberata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Rheumaptera cervicalis</i> (SCOPOLI, 1763)																		
<i>Rheumaptera undulata</i> (LINNAEUS, 1758)																		
<i>Triphosa dubitata</i> (LINNAEUS, 1758)																		
<i>Philereme vetulata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Philereme transversata</i> (HUFNAGEL, 1767)																		
<i>Euphyia scripturata</i> (HÜBNER, 1799)																		
<i>Mesotype didymata</i> (LINNAEUS, 1758)																		
<i>Mesotype parallelolineata</i> (RETZIUS, 1783)																		
<i>Mesotype verberata</i> (SCOPOLI, 1763)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Scotopteryx bipunctaria</i>	2,01	herbs	xerwl
<i>Scotopteryx chenopodiata</i>	1,04	Fabaceae, Poaceae	meswl
<i>Scotopteryx mucronata</i>	2,01	Fabaceae: esp. <i>Genista</i>	mesec
<i>Scotopteryx luridata</i>	2,01	Fabaceae: esp. <i>Genista</i>	mesec
<i>Orthonama obstipata</i>	B	herbs	ubiq
<i>Xanthorhoe birivata</i>	1,04	<i>Impatiens noli-tangere</i>	mesfo
<i>Xanthorhoe spadicearia</i>	1,05	herbs	meswl
<i>Xanthorhoe ferrugata</i>	1,05	herbs	meswl
<i>Xanthorhoe quadrifasciata</i>	1,05	herbs	mesec
<i>Xanthorhoe montanata</i>	1,05	herbs, deciduous shrubs	mon
<i>Xanthorhoe fluctuata</i>	1,02	herbs	mesfo
<i>Catarhoe rubidata</i>	1,05	<i>Galium</i>	mesec
<i>Catarhoe cuculata</i>	1,05	<i>Galium</i>	meswl
<i>Epirrhoe tristata</i>	1,05	<i>Galium</i>	meswl
<i>Epirrhoe alternata</i>	1,05	<i>Galium</i>	meswl
<i>Epirrhoe rivata</i>	2,01	<i>Galium</i>	mesec
<i>Costaconvexa polygrammata</i>	1,02	<i>Galium</i>	xerwl
<i>Camptogramma bilineata</i>	1,02	herbs	mesec
<i>Entephria nobiliaria/flavata</i>	1,05	<i>Saxifraga</i>	alp
<i>Entephria flavicinctata</i>	2,01	Saxifragaceae, Rosaceae, Crassulaceae	mon
<i>Entephria caesiata</i>	1,05	<i>Vaccinium</i>	mesfo
<i>Anticlea badiata</i>	1,05	<i>Rosa</i>	mesec
<i>Mesoleuca albicillata</i>	1,05	<i>Rubus</i>	mesec
<i>Pelurga comitata</i>	1,04	Chenopodiaceae, Asteraceae: <i>Artemisia</i>	meswl
<i>Cosmorhoe ocellata</i>	1,05	<i>Galium</i>	mesec
<i>Nebula salicata</i>	2,01	Rubiaceae: esp. <i>Galium</i>	mon
<i>Eulithis populata</i>	1,01	Ericaceae: <i>Vaccinium</i> , Salicaceae	mesfo
<i>Eulithis pyraliata</i>	1,05	<i>Galium</i> , ? <i>Geum rivale</i>	hygw
<i>Chloroclysta siterata</i>	2,01	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> , <i>Prunus</i> , <i>Acer</i> etc	mesfo
<i>Chloroclysta citrata</i>	1,05	deciduous trees/shrubs, herbs	mesec
<i>Chloroclysta truncata</i>	1,05	deciduous trees/shrubs, herbs	mesec
<i>Cidaria fulvata</i>	1,07	<i>Rosa</i>	mesec
<i>Plemyria rubiginata</i>	1,05	<i>Alnus</i>	mesfo
<i>Pennithera firmata</i>	2,01	<i>Pinus</i>	mesfo
<i>Thera variata</i>	1,05	Pinaceae: esp. <i>Picea</i> , Cupressaceae	mesfo
<i>Thera cognata</i>	2,01	<i>Juniperus</i>	mesfo
<i>Colostygia aptata</i>	1,05	<i>Galium mollugo</i>	mon
<i>Colostygia olivata</i>	1,05	herbs: esp. <i>Galium</i>	mon
<i>Colostygia aqueata</i>	2,04	<i>Galium</i>	mon
<i>Colostygia pectinataria</i>	1,05	herbs: <i>Galium</i> , <i>Lamium</i> , <i>Urtica</i>	mesec
<i>Hydriomena furcata</i>	1,01	<i>Salix</i> , <i>Vaccinium</i>	mesec
<i>Hydriomena impluviata</i>	1,01	deciduous trees/shrubs: <i>Alnus</i> , <i>Tilia</i> , <i>Fagus</i> , <i>Vaccinium</i>	mesfo
<i>Horisme vitalbata</i>	1,04	<i>Clematis vitalba</i>	mesfo
<i>Horisme tersata</i>	1,04	Ranunculaceae: <i>Clematis vitalba</i> , <i>Anemone</i>	mesfo
<i>Melanthia procellata</i>	1,04	<i>Clematis vitalba</i>	mesfo
<i>Pareulype berberata</i>	1,05	<i>Berberis</i>	mesfo
<i>Rheumaptera cervicalis</i>	1,05	<i>Berberis</i>	mesfo
<i>Rheumaptera undulata</i>	1,01	deciduous trees/shrubs: <i>Salix</i> , <i>Populus</i> , <i>Alnus</i> , <i>Vaccinium</i>	mesfo
<i>Triphosa dubitata</i>	1,04	deciduous trees/shrubs: esp. <i>Rhamnus</i> , <i>Frangula</i>	mesec
<i>Philereme vetulata</i>	1,05	Rhamnaceae: <i>Rhamnus</i> , <i>Frangula</i>	mesec
<i>Philereme transversata</i>	1,04	deciduous trees/shrubs: esp. <i>Frangula</i> , <i>Rhamnus</i>	mesec
<i>Euphyia scripturata</i>	2,04	herbs, esp. <i>Minuartia</i>	mon
<i>Mesotype didymata</i>	2,01	herbs	mon
<i>Mesotype parallelolineata</i>	1,05	herbs	mon
<i>Mesotype verberata</i>	2,01	herbs	mon

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Perizoma alchemillata</i> (LINNAEUS, 1758)																		
<i>Perizoma hydrata</i> (TREITSCHKE, 1829)																		
<i>Perizoma lugdunaria</i> (HERRICH-SCHÄFFER, 1855)																		
<i>Perizoma minorata</i> (TREITSCHKE, 1828)																		
<i>Perizoma blandiata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Perizoma albulata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Perizoma flavofasciata</i> (THUNBERG, 1792)																		
<i>Martania taeniata</i> (STEPHENS, 1831)																		
<i>Gagitodes sagittata</i> (FABRICIUS, 1787)																		
<i>Pasiphila rectangulata</i> (LINNAEUS, 1758)																		
<i>Pasiphila chloerata</i> (MABILLE, 1870)																		
<i>Pasiphila debiliata</i> (HÜBNER, 1817)																		
<i>Eupithecia tenuiata</i> (HÜBNER, 1813)																		
<i>Eupithecia inturbata</i> (HÜBNER, 1817)																		
<i>Eupithecia haworthiata</i> DOUBLEDAY, 1856																		
<i>Eupithecia plumbeolata</i> (HAWORTH, 1809)																		
<i>Eupithecia valerianata</i> (HÜBNER, 1813)																		
<i>Eupithecia venosata</i> (FABRICIUS, 1787)																		
<i>Eupithecia egenaria</i> HERRICH-SCHÄFFER, 1848																		
<i>Eupithecia extraversaria</i> (HERRICH-SCHÄFFER, 1855)																		
<i>Eupithecia centaureata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Eupithecia gratiosata</i> HERRICH-SCHÄFFER, 1861																		
<i>Eupithecia selinata</i> HERRICH-SCHÄFFER, 1861																		
<i>Eupithecia trisignaria</i> HERRICH-SCHÄFFER, 1848																		
<i>Eupithecia veratraria</i> HERRICH-SCHÄFFER, 1848																		
<i>Eupithecia cretaceata</i> (PACKARD, 1874)																		
<i>Eupithecia assimilata</i> DOUBLEDAY, 1856																		
<i>Eupithecia tripunctaria</i> HERRICH-SCHÄFFER, 1852																		
<i>Eupithecia subfuscata</i> (HAWORTH, 1809)																		
<i>Eupithecia icterata</i> (VILLERS, 1789)																		
<i>Eupithecia impurata</i> (HÜBNER, 1813)																		
<i>Eupithecia subumbrata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Eupithecia simplicata</i> (HAWORTH, 1809)																		
<i>Eupithecia gemellata</i> HERRICH-SCHÄFFER, 1861																		
<i>Eupithecia virgaureata</i> DOUBLEDAY, 1861																		
<i>Eupithecia pusillata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Eupithecia ultimaria</i> BOISDUVAL, 1840																		
<i>Eupithecia lariciata</i> (FREYER, 1842)																		
<i>Gymnoscelis rufifasciata</i> (HAWORTH, 1809)																		
<i>Chloroclystis v-ata</i> (HAWORTH, 1809)																		
<i>Anticollis sparsata</i> (TREITSCHKE, 1828)																		
<i>Aplocera efformata</i> (GUENÉE, 1857)																		
<i>Aplocera praeformata</i> (HÜBNER, 1826)																		
<i>Schistostegia decussata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Euchoeca nebulata</i> (SCOPOLI, 1763)																		
<i>Asthena albulata</i> (HUFNAGEL, 1767)																		
<i>Hydrelia flammeolaria</i> (HUFNAGEL, 1767)																		
<i>Hydrelia sylvata</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Minoa murinata</i> (SCOPOLI, 1763)																		
<i>Pterapherapteryx sexalata</i> (RETZIUS, 1763)																		
<i>Acasis viretata</i> (HÜBNER, 1799)																		
NOTODONTIDAE																		
<i>Thaumetopoea processionea</i> (LINNAEUS, 1758)																		
<i>Traumatocampa pityocampa</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Closteria curtula</i> (LINNAEUS, 1758)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Perizoma alchemillata</i>	1,05	Lamiaceae	mesec
<i>Perizoma hydrata</i>	1,05	Caryophyllaceae: <i>Silene</i> , <i>Lychnis</i>	mon
<i>Perizoma lugdunaria</i>	2,04	<i>Cucubalus baccifer</i>	mesfo
<i>Perizoma minorata</i>	2,01	<i>Euphrasia</i>	meswl
<i>Perizoma blandiata</i>	1,05	<i>Euphrasia</i>	meswl
<i>Perizoma albulata</i>	1,05	<i>Rhinanthus</i>	meswl
<i>Perizoma flavofasciata</i>	1,05	<i>Silene</i>	mesec
<i>Martania taeniata</i>	1,04	<i>Stellaria</i>	mesfo
<i>Gagitodes sagittata</i>	1,04	<i>Thalictrum</i>	mesec
<i>Pasiphila rectangulata</i>	1,02	Rosaceae: <i>Crataegus</i> , <i>Prunus spinosa</i> , <i>Malus</i>	mesfo
<i>Pasiphila chloerata</i>	1,05	<i>Prunus spinosa</i>	xerar
<i>Pasiphila debiliata</i>	2,01	<i>Vaccinium myrtillus</i>	mesfo
<i>Eupithecia tenuiata</i>	2,01	<i>Salix caprea</i>	mesfo
<i>Eupithecia inturbata</i>	2,01	<i>Acer campestre</i> , <i>A. platanoides</i>	xerar
<i>Eupithecia haworthiata</i>	2,01	<i>Clematis vitalba</i>	mesfo
<i>Eupithecia plumbeolata</i>	1,05	Scrophulariaceae: <i>Rhinanthus</i> , <i>Melampyrum</i>	meswl
<i>Eupithecia valerianata</i>	2,01	<i>Valeriana officinalis</i>	mesfo
<i>Eupithecia venosata</i>	1,02	<i>Silene</i>	meswl
<i>Eupithecia egenaria</i>	2,01	<i>Tilia</i>	mesfo
<i>Eupithecia extraversaria</i>	2,01	Apiaceae: <i>Peucedanum</i> , <i>Pimpinella</i>	meswl
<i>Eupithecia centaureata</i>	1,02	herbs	mesec
<i>Eupithecia gratiosata</i>	1,07	Apiaceae: <i>Ferulago</i> , ? <i>Heracleum</i>	xerwl
<i>Eupithecia selinata</i>	1,05	Apiaceae: <i>Angelica</i> , <i>Peucedanum</i> etc	mesec
<i>Eupithecia trisignaria</i>	1,05	Apiaceae: <i>Angelica</i> , <i>Heracleum</i> etc	mesec
<i>Eupithecia veratraria</i>	1,05	<i>Veratrum album</i>	mon
<i>Eupithecia cretaceata</i>	1,01	<i>Veratrum album</i>	mon
<i>Eupithecia assimilata</i>	1,05	<i>Ribes</i> , <i>Humulus</i>	mesec
<i>Eupithecia tripunctaria</i>	1,05	<i>Sambucus</i> , Apiaceae	mesec
<i>Eupithecia subfuscata</i>	1,01	herbs, deciduous trees/shrubs	meswl
<i>Eupithecia icterata</i>	1,05	Asteraceae	mesec
<i>Eupithecia impurata</i>	1,10	<i>Campanula rotundifolia</i>	mon
<i>Eupithecia subumbrata</i>	1,05	herbs	meswl
<i>Eupithecia simplicata</i>	1,05	Chenopodiaceae: <i>Atriplex</i> , <i>Chenopodium</i>	meswl
<i>Eupithecia gemellata</i>	2,04	<i>Petroragia saxifraga</i>	xerwl
<i>Eupithecia virgaureata</i>	1,05	Rosaceae: <i>Crataegus</i> , <i>Prunus</i> , Asteraceae	mesec
<i>Eupithecia pusillata</i>	1,05	<i>Juniperus</i>	mesfo
<i>Eupithecia ultimaria</i>	2,04	<i>Tamarix</i>	hygw
<i>Eupithecia lariciata</i>	1,05	<i>Larix</i>	mesfo
<i>Gymnoscelis rufifasciata</i>	1,03	<i>Eupatorium</i> , <i>Clematis</i> , <i>Crataegus</i> etc	mesec
<i>Chloroclystis v-ata</i>	1,05	<i>Eupatorium</i> , <i>Origanum</i> , <i>Clematis</i> , <i>Sambucus</i>	mesec
<i>Anticollis sparsata</i>	1,05	<i>Lysimachia vulgaris</i>	hygw
<i>Aplocera efformata</i>	1,03	<i>Hypericum</i>	mesec
<i>Aplocera praeformata</i>	2,01	<i>Hypericum</i>	meswl
<i>Schistostegia decussata</i>	2,04	<i>Euphorbia</i>	meswl
<i>Euchoeca nebulata</i>	1,05	Betulaceae: <i>Alnus</i> , rarely <i>Betula</i>	mesfo
<i>Asthena albulata</i>	1,05	deciduous trees/shrubs	mesfo
<i>Hydrelia flammeolaria</i>	1,05	deciduous trees/shrubs	mesfo
<i>Hydrelia sylvata</i>	1,05	Betulaceae: <i>Alnus</i> , ? <i>Betula</i> , ? <i>Salicaceae</i>	mesfo
<i>Minoa murinata</i>	1,07	<i>Euphorbia cyparissias</i>	meswl
<i>Pterapherapteryx sexalata</i>	1,05	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Acasis viretata</i>	1,05	deciduous trees/shrubs: <i>Frangula</i> , <i>Ligustrum</i> , <i>Cornus</i> etc	mesfo
NOTODONTIDAE			
<i>Thaumetopoea processionea</i>	2,01	<i>Quercus</i>	mesfo
<i>Traumatocampa pityocampa</i>	3,01	<i>Pinus</i>	mesfo
<i>Closteria curtula</i>	1,05	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Clostera pigra</i> (HUFNAGEL, 1766)	+																	
<i>Clostera anachoreta</i> (DENIS & SCHIFFERMÜLLER, 1775)	!																	
<i>Clostera anastomosis</i> (LINNAEUS, 1758)	!																	
<i>Cerura vinula</i> (LINNAEUS, 1758)	+																	
<i>Cerura erminea</i> (ESPER, 1783)	!																	
<i>Furcula furcula</i> (CLERCK, 1759)		+																
<i>Furcula bifida</i> (BRAHM, 1787)																		
<i>Notodonta dromedarius</i> (LINNAEUS, 1767)		+	+															
<i>Notodonta torva</i> (HÜBNER, 1809)																		
<i>Notodonta tritophus</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
<i>Notodonta ziczac</i> (LINNAEUS, 1758)																		
<i>Drymonia dodonaea</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Drymonia ruficornis</i> (HUFNAGEL, 1766)																		
<i>Drymonia querna</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Drymonia velitaris</i> (HUFNAGEL, 1766)																		
<i>Pheosia tremula</i> (CLERCK, 1759)	+																	
<i>Pheosia gnoma</i> (FABRICIUS, 1776)																		
<i>Pterostoma palpina</i> (CLERCK, 1759)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Ptilodon capucina</i> (LINNAEUS, 1758)																		
<i>Ptilodon cucullina</i> (DENIS & SCHIFFERMÜLLER, 1775)	!	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Gluphisia crenata</i> (ESPER, 1785)																		
<i>Phalera bucephala</i> (LINNAEUS, 1758)																		
<i>Peridea anceps</i> (GOEZE, 1781)																		
<i>Stauropus fagi</i> (LINNAEUS, 1758)																		
<i>Harpyia milhauseri</i> (FABRICIUS, 1775)																		
<i>Spatalia argentina</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
NOCTUIDAE																		
<i>Moma alpium</i> (OSBECK, 1778)																		
<i>Acronicta alni</i> (LINNAEUS, 1767)																		
<i>Acronicta cuspis</i> (HÜBNER, 1813)																		
<i>Acronicta psi</i> (LINNAEUS, 1758)																		
<i>Acronicta aceris</i> (LINNAEUS, 1758)																		
<i>Acronicta leporina</i> (LINNAEUS, 1758)																		
<i>Acronicta megacephala</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Acronicta auricoma</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Acronicta euphorbiae</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Acronicta rumicis</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Craniophora ligustri</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cryphia algae</i> (FABRICIUS, 1775)																		
<i>Cryphia raptricula</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Paracolax tristalis</i> (FABRICIUS, 1794)																		
<i>Macrochilo cribrumalis</i> (HÜBNER, 1793)																		
<i>Herminia tarsicrinalis</i> (KNOCH, 1782)																		
<i>Herminia grisealis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Herminia tenuialis</i> (REBEL, 1899)																		
<i>Polypogon tentacularia</i> (LINNAEUS, 1758)																		
<i>Polypogon plumigeralis</i> (HÜBNER, 1825)																		
<i>Polypogon gryphalis</i> (HERRICH-SCHÄFFER, 1851)																		
<i>Pechipogo strigilata</i> (LINNAEUS, 1758)																		
<i>Zanclognatha lunalis</i> (SCOPOLI, 1763)																		
<i>Zanclognatha zelleralis</i> (WOCKE, 1850)																		
<i>Zanclognatha tarsipennalis</i> (TREITSCHKE, 1835)																		
<i>Schrankia costaestrigalis</i> (STEPHENS, 1834)																		
<i>Catocala dilecta</i> (HÜBNER, 1808)																		
<i>Catocala nupta</i> (LINNAEUS, 1758)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Clostera pigra</i>	1,05	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Clostera anachoreta</i>	1,05	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Clostera anastomosis</i>	1,05	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Cerura vinula</i>	1,05	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Cerura erminea</i>	1,05	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Furcula furcula</i>	2,01	Fagaceae: <i>Quercus</i> , Betulaceae, Salicaceae	mesfo
<i>Furcula bifida</i>	2,01	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Notodonta dromedarius</i>	2,01	Betulaceae: <i>Betula</i> , <i>Alnus</i> , Salicaceae	mesfo
<i>Notodonta torva</i>	1,01	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Notodonta tritophus</i>	2,01	<i>Populus</i>	mesfo
<i>Notodonta ziczac</i>	1,05	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Drymonia dodonaea</i>	2,01	deciduous trees/shrubs: <i>Quercus</i> , <i>Fagus</i> , <i>Betula</i>	mesfo
<i>Drymonia ruficornis</i>	1,03	<i>Quercus</i>	mesfo
<i>Drymonia querna</i>	2,04	<i>Quercus</i> , rarely <i>Fagus</i>	mesfo
<i>Drymonia velitaris</i>	2,04	Fagaceae: <i>Quercus</i> , Salicaceae: <i>Populus</i>	mesfo
<i>Pheosia tremula</i>	2,01	Salicaceae, Betulaceae	mesfo
<i>Pheosia gnoma</i>	1,05	deciduous trees/shrubs: esp. <i>Betula</i>	mesfo
<i>Pterostoma palpina</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Populus</i> , <i>Quercus</i> , <i>Alnus</i>	mesfo
<i>Ptilodon capucina</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Tilia</i> , <i>Quercus</i> , <i>Acer</i> etc	mesfo
<i>Ptilodon cucullina</i>	2,01	<i>Acer</i>	mesfo
<i>Gluphisia crenata</i>	2,01	<i>Populus</i> , esp. old <i>P. nigra</i>	mesfo
<i>Phalera bucephala</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Populus</i> , <i>Quercus</i> , <i>Tilia</i>	mesfo
<i>Peridea anceps</i>	2,01	<i>Quercus</i>	mesfo
<i>Stauropus fagi</i>	1,05	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> , <i>Betula</i> , <i>Crataegus</i>	mesfo
<i>Harpyia milhauseri</i>	2,01	Fagaceae: <i>Quercus</i> , <i>Fagus</i> , rarely Betulaceae	mesfo
<i>Spatalia argentina</i>	1,10	Fagaceae: <i>Quercus</i> ; Salicaceae	mesfo
NOCTUIDAE			
<i>Moma alpium</i>	1,05	deciduous trees/shrubs: esp. <i>Quercus</i>	mesfo
<i>Acronicta alni</i>	1,05	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> , <i>Betula</i> , <i>Prunus</i>	mesfo
<i>Acronicta cuspis</i>	1,02	<i>Alnus</i>	mesfo
<i>Acronicta psi</i>	1,02	deciduous trees/shrubs	mesfo
<i>Acronicta aceris</i>	1,02	deciduous trees/shrubs	mesfo
<i>Acronicta leporina</i>	1,01	deciduous trees/shrubs: <i>Betula</i> , <i>Populus</i> , <i>Salix</i> , <i>Fraxinus</i>	mesfo
<i>Acronicta megacephala</i>	1,02	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Acronicta auricoma</i>	1,05	deciduous trees/shrubs, herbs	mesec
<i>Acronicta euphorbiae</i>	1,05	herbs	mesec
<i>Acronicta rumicis</i>	1,02	herbs, deciduous shrubs	ubiq
<i>Craniophora ligustri</i>	1,05	Oleaceae: <i>Fraxinus</i> , <i>Ligustrum</i>	mesfo
<i>Cryphia algae</i>	1,10	lichens	mesfo
<i>Cryphia raptricula</i>	1,06	lichens	xerwl
<i>Paracolax tristalis</i>	1,05	<i>Quercus</i>	mesfo
<i>Macrochilo cribrumalis</i>	2,03	Cyperaceae, Poaceae	hygw1
<i>Herminia tarsicrinalis</i>	1,05	decaying leaves	mesfo
<i>Herminia grisealis</i>	1,05	deciduous trees/shrubs, herbs	mesfo
<i>Herminia tenuialis</i>	1,07	unknown	?mesec
<i>Polypogon tentacularia</i>	1,05	?decaying leaves, ?herbs	meswl
<i>Polypogon plumigeralis</i>	1,06	deciduous shrubs, herbs	mesec
<i>Polypogon gryphalis</i>	2,04	unknown	?hygw1
<i>Pechipogo strigilata</i>	1,05	deciduous trees/shrubs: <i>Quercus</i> , <i>Betula</i> , <i>Alnus</i> , <i>Corylus</i>	mesec
<i>Zanclognatha lunalis</i>	1,05	decaying leaves	mesfo
<i>Zanclognatha zelleralis</i>	1,09	decaying leaves, herbs	mesfo
<i>Zanclognatha tarsipennalis</i>	1,05	decaying leaves	mesfo
<i>Schrankia costaestrigalis</i>	1,03	herbs	hygw1
<i>Catocala dilecta</i>	1,10	<i>Quercus</i>	mesfo
<i>Catocala nupta</i>	1,05	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Catocala elocata</i> (ESPER, 1787)																		
<i>Catocala puerpera</i> (GIORNA, 1791)																		
<i>Catocala electa</i> (VIEWEG, 1790)																		
<i>Clytie illunaris</i> (HÜBNER, 1813)																		
<i>Dysgonia algira</i> (LINNAEUS, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Grammodes bifasciata</i> (PETAGNA, 1787)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Prodotis stolidia</i> (FABRICIUS, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Lygephila lusoria</i> (LINNAEUS, 1758)																		
<i>Lygephila pastinum</i> (TREITSCHKE, 1826)																		
<i>Lygephila cracca</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+																
<i>Catephia alchymista</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Aedia funesta</i> (ESPER, 1786)																		
<i>Aedia leucomelas</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Tyta luctuosa</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Euclidia glyphica</i> (LINNAEUS, 1758)																		
<i>Laspeyria flexula</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Arytrura musculus</i> (MÉNÉTRIÉS, 1859)																		
<i>Scoliopteryx libatrix</i> (LINNAEUS, 1758)																		
<i>Calyptra thalictri</i> (BORKHAUSEN, 1790)																		
<i>Hypena proboscidalis</i> (LINNAEUS, 1758)																		
<i>Phytometra viridaria</i> (CLERCK, 1759)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Rivula sericealis</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Parascotia fuliginaria</i> (LINNAEUS, 1761)																		
<i>Colobochyla salicalis</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Zebebea falsalis</i> (HERRICH-SCHÄFFER, 1839)																		
<i>Eutelia adulatrix</i> (HÜBNER, 1813)																		
<i>Euchalcia variabilis</i> (PILLER, 1783)																		
<i>Polychrysis moneta</i> (FABRICIUS, 1787)																		
<i>Lamprotes c-aureum</i> (KNOCH, 1781)																		
<i>Diachrysis chrysis</i> (LINNAEUS, 1758)/ <i>tutti</i> (KOSTROWICKI, 1961)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Diachrysis nadeja</i> (OBERTHÜR, 1880)																		
<i>Diachrysis zosimi</i> (HÜBNER, 1822)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Macdunnoughia confusa</i> (STEPHENS, 1850)																		
<i>Plusia festucae</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Autographa gamma</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Autographa pulchrina</i> (HAWORTH, 1809)																		
<i>Autographa bractea</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Syngrapha ain</i> (HOCHENWARTH, 1785)																		
<i>Syngrapha interrogationis</i> (LINNAEUS, 1758)																		
<i>Trichoplusia ni</i> (HÜBNER, 1803)																		
<i>Chrysodeixis chalcites</i> (ESPER, 1789)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Abrostola tripartita</i> (HUFNAGEL, 1766)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Abrostola asclepiadis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Abrostola triplasia</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Abrostola agnorista</i> DUFAY, 1956																		
<i>Emmelia trabealis</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Acontia lucida</i> (HUFNAGEL, 1766)																		
<i>Phyllophila obliterata</i> (RAMBUR, 1833)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Protodeltote pygarga</i> (HUFNAGEL, 1766)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Deltote uncula</i> (CLERCK, 1759)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Deltote bankiana</i> (FABRICIUS, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pseudeustrotia candidula</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Odice suava</i> (HÜBNER, 1813)																		
<i>Eublemma parva</i> (HÜBNER, 1808)																		
<i>Trisateles emortualis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Catocala elocata</i>	1,03	<i>Populus</i>	mesfo
<i>Catocala puerpera</i>	2,04	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Catocala electa</i>	1,05	<i>Salix</i>	mesfo
<i>Clytie illunaris</i>	3,01	<i>Tamarix</i>	hygwl
<i>Dysgonia algira</i>	4,01	herbs, deciduous shrubs	xerwl
<i>Grammodes bifasciata</i>	3,01	herbs: <i>Rubus</i> , <i>Cistus</i> , <i>Smilax</i>	xerar
<i>Prodotis stolidia</i>	3,01	deciduous trees/shrubs	xerwl
<i>Lygephila lusoria</i>	1,10	Fabaceae: <i>Astragalus</i> , <i>Vicia</i>	xerwl
<i>Lygephila pastinum</i>	1,05	Fabaceae: <i>Vicia</i> , <i>Coronilla</i> , <i>Astragalus</i>	meswl
<i>Lygephila cracca</i>	1,02	Fabaceae: <i>Vicia</i> , <i>Coronilla</i> , <i>Astragalus</i>	meswl
<i>Catephia alchymista</i>	1,12	<i>Quercus</i>	mesfo
<i>Aedia funesta</i>	1,03	<i>Calystegia sepium</i>	mesec
<i>Aedia leucomelas</i>	1,06	Convolvulaceae	xerwl
<i>Tyta luctuosa</i>	1,06	herbs: Convolvulaceae, Plantaginaceae	xerwl
<i>Euclidia glyphica</i>	1,02	Fabaceae: <i>Trifolium</i> , <i>Lotus</i> , <i>Medicago</i> , <i>Vicia</i>	meswl
<i>Laspeyria flexula</i>	1,05	lichens on trees	mesfo
<i>Arytrura musculus</i>	1,05	<i>Salix</i>	hygwl
<i>Scoliopteryx libatrix</i>	1,02	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Calyptra thalictri</i>	2,04	<i>Thalictrum</i>	xerwl
<i>Hypena proboscidalis</i>	1,05	herbs: <i>Urtica</i> , <i>Stachys</i> , <i>Aegopodium</i> etc	ubiq
<i>Phytometra viridaria</i>	1,02	<i>Polygala</i>	meswl
<i>Rivula sericealis</i>	1,02	Poaceae	ubiq
<i>Parascotia fuliginaria</i>	1,12	lichens	mesfo
<i>Colobochyla salicalis</i>	2,01	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Zebebea falsalis</i>	3,01	unknown	xerwl
<i>Eutelia adulatrix</i>	1,08	Anacardiaceae: <i>Rhus</i> , <i>Pistacia</i>	xerar
<i>Euchalcia variabilis</i>	1,04	Ranunculaceae: <i>Aconitum</i> , <i>Thalictrum</i>	mon
<i>Polychrysis moneta</i>	1,05	Ranunculaceae: <i>Aconitum</i> , <i>Trollius</i>	mon
<i>Lamprotes c-aureum</i>	2,01	Ranunculaceae: <i>Aquilegia</i> , <i>Thalictrum</i>	mesec
<i>Diachrysis chrysis/tutti</i>	2,01	herbs: <i>Urtica</i> , <i>Stachys</i> , <i>Lamium</i>	mesec
<i>Diachrysis nadeja</i>	1,04	<i>Urtica</i>	hygwl
<i>Diachrysis zosimi</i>	1,04	Rosaceae: <i>Filipendula</i> , <i>Sanguisorba</i>	hygwl
<i>Macdunnoughia confusa</i>	1,04	herbs: <i>Achillea</i> , <i>Lamium</i> etc	ubiq
<i>Plusia festucae</i>	1,02	<i>Iris</i> , <i>Glyceria</i> , <i>Typha</i> , <i>Carex</i> , <i>Phragmites</i>	hygwl
<i>Autographa gamma</i>	1,02	herbs: <i>Lamium</i> , <i>Trifolium</i> etc	ubiq
<i>Autographa pulchrina</i>	2,01	herbs: <i>Senecio</i> , <i>Stachys</i> etc	mesec
<i>Autographa bractea</i>	1,05	herbs: <i>Crepis</i> , <i>Cirsium</i> , <i>Lamium</i>	mesec
<i>Syngrapha ain</i>	1,05	<i>Larix</i>	mesfo
<i>Syngrapha interrogationis</i>	1,01	<i>Vaccinium</i> , ? <i>Urtica</i>	mesfo
<i>Trichoplusia ni</i>	4,02	herbs	ubiq
<i>Chrysodeixis chalcites</i>	4,01	herbs	xerwl
<i>Abrostola tripartita</i>	1,05	<i>Urtica dioica</i>	mesec
<i>Abrostola asclepiadis</i>	2,01	<i>Vincetoxicum hirundinaria</i>	mesec
<i>Abrostola triplasia</i>	1,05	<i>Urtica dioica</i>	mesec
<i>Abrostola agnorista</i>	3,01	unknown	mesec
<i>Emmelia trabealis</i>	1,02	<i>Convolvulus arvensis</i>	xerwl
<i>Acontia lucida</i>	1,08	herbs	xerwl
<i>Phyllophila obliterata</i>	2,04	<i>Artemisia</i>	xerwl
<i>Protodeltote pygarga</i>	1,02	grass, <i>Rubus</i> , <i>Lonicera</i> etc	mesfo
<i>Deltote uncula</i>	1,05	Cyperaceae: <i>Carex</i> , <i>Cyperus</i>	hygwl
<i>Deltote bankiana</i>	1,05	Cyperaceae, Poaceae	hygwl
<i>Pseudeustrotia candidula</i>	1,05	grass, herbs	hygwl
<i>Odice suava</i>	3,01	?herbs	xerwl
<i>Eublemma parva</i>	1,06	Asteraceae: <i>Inula</i> , <i>Centaurea</i> etc	xerwl
<i>Trisateles emortualis</i>	1,05	decaying leaves: esp. <i>Quercus</i>	mesfo

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Catocala elocata</i> (ESPER, 1787)																		
<i>Catocala puerpera</i> (GIORNA, 1791)																		
<i>Catocala electa</i> (VIEWEG, 1790)																		
<i>Clytie illunaris</i> (HÖBNER, 1813)																		
<i>Dysgonia algira</i> (LINNAEUS, 1767)	+	+	+	+														
<i>Grammodes bifasciata</i> (PETAGNA, 1787)	+	+	+	+														
<i>Prodotis stolidia</i> (FABRICIUS, 1775)	+																	
<i>Lygephila lusoria</i> (LINNAEUS, 1758)																		
<i>Lygephila pastinum</i> (TREITSCHKE, 1826)																		
<i>Lygephila cracca</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+																
<i>Catephia alchymista</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Aedia funesta</i> (ESPER, 1786)																		
<i>Aedia leucomelas</i> (LINNAEUS, 1758)	+		+	+														
<i>Tyta luctuosa</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Euclidia glyphica</i> (LINNAEUS, 1758)																		
<i>Laspeyria flexula</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Arytrura musculus</i> (MÉNÉTRIÉS, 1859)																		
<i>Scoliopteryx libatrix</i> (LINNAEUS, 1758)																		
<i>Calyptra thalictri</i> (BORKHAUSEN, 1790)																		
<i>Hypena proboscidalis</i> (LINNAEUS, 1758)																		
<i>Phytometra viridaria</i> (CLERCK, 1759)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Rivula sericealis</i> (SCOPOLI, 1763)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Parascotia fuliginaria</i> (LINNAEUS, 1761)																		
<i>Colobochyla salicalis</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+														
<i>Zebeeba falsalis</i> (HERRICH-SCHÄFFER, 1839)																		
<i>Eutelia adulatrix</i> (HÖBNER, 1813)																		
<i>Euchalcia variabilis</i> (PILLER, 1783)																		
<i>Polychrysia moneta</i> (FABRICIUS, 1787)																		
<i>Lamprotes c-aureum</i> (KNOCH, 1781)																		
<i>Diachrysia chrysis</i> (LINNAEUS, 1758)/ <i>tutti</i> (KOSTROWICKI, 1961)	+	+	+	+	+													
<i>Diachrysia nadeja</i> (OBERTHÜR, 1880)																		
<i>Diachrysia zosimi</i> (HÖBNER, 1822)	+	+																
<i>Macdunnoughia confusa</i> (STEPHENS, 1850)																		
<i>Plusia festucae</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Autographa gamma</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Autographa pulchrina</i> (HAWORTH, 1809)																		
<i>Autographa bractea</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Syngrapha ain</i> (HOCHENWARTH, 1785)																		
<i>Syngrapha interrogationis</i> (LINNAEUS, 1758)																		
<i>Trichoplusia ni</i> (HÖBNER, 1803)																		
<i>Chrysodeixis chalcites</i> (ESPER, 1789)	+	+	+															
<i>Abrostola tripartita</i> (HUFNAGEL, 1766)	+																	
<i>Abrostola asclepiadis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Abrostola triplasia</i> (LINNAEUS, 1758)	+	+																
<i>Abrostola agnorista</i> DUFAY, 1956																		
<i>Emmelia trabealis</i> (SCOPOLI, 1763)	+	+	+	+	+													
<i>Acontia lucida</i> (HUFNAGEL, 1766)																		
<i>Phyllophila oblitterata</i> (RAMBUR, 1833)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Protodeltote pygarga</i> (HUFNAGEL, 1766)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Deltote uncula</i> (CLERCK, 1759)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Deltote bankiana</i> (FABRICIUS, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pseudeustrotia candidula</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Odice suava</i> (HÖBNER, 1813)	+																	
<i>Eublemma parva</i> (HÖBNER, 1808)																		
<i>Trisateles emortualis</i> (DENIS & SCHIFFERMÜLLER, 1775)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Catocala elocata</i>	1,03	<i>Populus</i>	mesfo
<i>Catocala puerpera</i>	2,04	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Catocala electa</i>	1,05	<i>Salix</i>	mesfo
<i>Clytie illunaris</i>	3,01	<i>Tamarix</i>	hygwl
<i>Dysgonia algira</i>	4,01	herbs, deciduous shrubs	xerwl
<i>Grammodes bifasciata</i>	3,01	herbs: <i>Rubus</i> , <i>Cistus</i> , <i>Smilax</i>	xerwl
<i>Prodotis stolidia</i>	3,01	deciduous trees/shrubs	xerwl
<i>Lygephila lusoria</i>	1,10	Fabaceae: <i>Astragalus</i> , <i>Vicia</i>	xerwl
<i>Lygephila pastinum</i>	1,05	Fabaceae: <i>Vicia</i> , <i>Coronilla</i> , <i>Astragalus</i>	meswl
<i>Lygephila cracca</i>	1,02	Fabaceae: <i>Vicia</i> , <i>Coronilla</i> , <i>Astragalus</i>	meswl
<i>Catephia alchymista</i>	1,12	<i>Quercus</i>	mesfo
<i>Aedia funesta</i>	1,03	<i>Calystegia sepium</i>	mesec
<i>Aedia leucomelas</i>	1,06	Convolvulaceae	xerwl
<i>Tyta luctuosa</i>	1,06	herbs: Convolvulaceae, Plantaginaceae	xerwl
<i>Euclidia glyphica</i>	1,02	Fabaceae: <i>Trifolium</i> , <i>Lotus</i> , <i>Medicago</i> , <i>Vicia</i>	meswl
<i>Laspeyria flexula</i>	1,05	lichens on trees	mesfo
<i>Arytrura musculus</i>	1,05	<i>Salix</i>	hygwl
<i>Scoliopteryx libatrix</i>	1,02	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Calyptra thalictri</i>	2,04	<i>Thalictrum</i>	xerwl
<i>Hypena proboscidalis</i>	1,05	herbs: <i>Urtica</i> , <i>Stachys</i> , <i>Aegopodium</i> etc	ubiq
<i>Phytometra viridaria</i>	1,02	<i>Polygala</i>	meswl
<i>Rivula sericealis</i>	1,02	Poaceae	ubiq
<i>Parascotia fuliginaria</i>	1,12	lichens	mesfo
<i>Colobochyla salicalis</i>	2,01	Salicaceae: <i>Salix</i> , <i>Populus</i>	mesfo
<i>Zebeeba falsalis</i>	3,01	unknown	xerwl
<i>Eutelia adulatrix</i>	1,08	Anacardiaceae: <i>Rhus</i> , <i>Pistacia</i>	xerwl
<i>Euchalcia variabilis</i>	1,04	Ranunculaceae: <i>Aconitum</i> , <i>Thalictrum</i>	mon
<i>Polychrysia moneta</i>	1,05	Ranunculaceae: <i>Aconitum</i> , <i>Trollius</i>	mon
<i>Lamprotes c-aureum</i>	2,01	Ranunculaceae: <i>Aquilegia</i> , <i>Thalictrum</i>	mesec
<i>Diachrysia chrysis/tutti</i>	2,01	herbs: <i>Urtica</i> , <i>Stachys</i> , <i>Lamium</i>	mesec
<i>Diachrysia nadeja</i>	1,04	<i>Urtica</i>	hygwl
<i>Diachrysia zosimi</i>	1,04	Rosaceae: <i>Filipendula</i> , <i>Sanguisorba</i>	hygwl
<i>Macdunnoughia confusa</i>	1,04	herbs: <i>Achillea</i> , <i>Lamium</i> etc	ubiq
<i>Plusia festucae</i>	1,02	<i>Iris</i> , <i>Glyceria</i> , <i>Typha</i> , <i>Carex</i> , <i>Phragmites</i>	hygwl
<i>Autographa gamma</i>	1,02	herbs: <i>Lamium</i> , <i>Trifolium</i> etc	ubiq
<i>Autographa pulchrina</i>	2,01	herbs: <i>Senecio</i> , <i>Stachys</i> etc	mesec
<i>Autographa bractea</i>	1,05	herbs: <i>Crepis</i> , <i>Cirsium</i> , <i>Lamium</i>	mesec
<i>Syngrapha ain</i>	1,05	<i>Larix</i>	mesfo
<i>Syngrapha interrogationis</i>	1,01	<i>Vaccinium</i> , ? <i>Urtica</i>	mesfo
<i>Trichoplusia ni</i>	4,02	herbs	ubiq
<i>Chrysodeixis chalcites</i>	4,01	herbs	xerwl
<i>Abrostola tripartita</i>	1,05	<i>Urtica dioica</i>	mesec
<i>Abrostola asclepiadis</i>	2,01	<i>Vincetoxicum hirundinaria</i>	mesec
<i>Abrostola triplasia</i>	1,05	<i>Urtica dioica</i>	mesec
<i>Abrostola agnorista</i>	3,01	unknown	mesec
<i>Emmelia trabealis</i>	1,02	Convolvulus <i>arvensis</i>	xerwl
<i>Acontia lucida</i>	1,08	herbs	xerwl
<i>Phyllophila oblitterata</i>	2,04	<i>Artemisia</i>	xerwl
<i>Protodeltote pygarga</i>	1,02	grass, <i>Rubus</i> , <i>Lonicera</i> etc	mesfo
<i>Deltote uncula</i>	1,05	Cyperaceae: <i>Carex</i> , <i>Cyperus</i>	hygwl
<i>Deltote bankiana</i>	1,05	Cyperaceae, Poaceae	hygwl
<i>Pseudeustrotia candidula</i>	1,05	grass, herbs	hygwl
<i>Odice suava</i>	3,01	?herbs	xerwl
<i>Eublemma parva</i>	1,06	Asteraceae: <i>Inula</i> , <i>Centaurea</i> etc	xerwl
<i>Trisateles emortualis</i>	1,05	decaying leaves: esp. <i>Quercus</i>	mesfo

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Cucullia lactucae</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Cucullia umbratica</i> (LINNAEUS, 1758)																		
<i>Shargacucullia verbasci</i> (LINNAEUS, 1758)	+																	
<i>Calophasia lunula</i> (HUFNAGEL, 1766)																		
<i>Epimecia ustula</i> (FREYER, 1835)	!	+																
<i>Amphipyra pyramidea</i> (LINNAEUS, 1758)																		
<i>Amphipyra perflua</i> (FABRICIUS, 1787)																		
<i>Amphipyra tragopoginis</i> (CLERCK, 1759)																		
<i>Amphipyra tetra</i> (FABRICIUS, 1787)																		
<i>Panemeria tenebrata</i> (SCOPOLI, 1763)																		
<i>Heliothis virescens</i> (HUFNAGEL, 1766)																		
<i>Helicoverpa armigera</i> (HÜBNER, 1808)																		
<i>Pyrrhia umbra</i> (HUFNAGEL, 1766)																		
<i>Elaphria venustula</i> (HÜBNER, 1790)																		
<i>Acosmetia caliginosa</i> (HÜBNER, 1813)																		
<i>Caradrina morpheus</i> (HUFNAGEL, 1766)																		
<i>Platyperigea kadenii</i> (FREYER, 1836)																		
<i>Paradrina clavipalpis</i> (SCOPOLI, 1763)																		
<i>Hoplodrina octogenaria</i> (GOEZE, 1781)																		
<i>Hoplodrina blanda</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Hoplodrina respersa</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Hoplodrina ambigua</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Charanyca trigrammica</i> (HUFNAGEL, 1766)																		
<i>Atypha pulmonaris</i> (ESPER, 1790)	!																	
<i>Spodoptera exigua</i> (HÜBNER, 1808)																		
<i>Athetis gluteosa</i> (TREITSCHKE, 1845)																		
<i>Proxenus hospes</i> (FREYER, 1831)																		
<i>Dypterygia scabriuscula</i> (LINNAEUS, 1758)																		
<i>Rusina ferruginea</i> (ESPER, 1785)																		
<i>Mormo maura</i> (LINNAEUS, 1758)																		
<i>Polyphaenis sericata</i> (ESPER, 1787)																		
<i>Thalophila matura</i> (HUFNAGEL, 1766)																		
<i>Trachea atriplicis</i> (LINNAEUS, 1758)																		
<i>Euplexia lucipara</i> (LINNAEUS, 1758)																		
<i>Phlogophora meticulosa</i> (LINNAEUS, 1758)																		
<i>Hyppa rectilinea</i> (ESPER, 1788)																		
<i>Auchmis detera</i> (ESPER, 1787)																		
<i>Actinotia polyodon</i> (CLERCK, 1759)																		
<i>Chloantha hyperici</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Calloptistria juvenina</i> (STOLL, 1782)																		
<i>Eucarta amethystina</i> (HÜBNER, 1803)																		
<i>Eucarta virgo</i> (TREITSCHKE, 1835)																		
<i>Ipimorpha retusa</i> (LINNAEUS, 1761)																		
<i>Ipimorpha subtusa</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Parastichtis ypsilon</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Cosmia trapezina</i> (LINNAEUS, 1758)																		
<i>Xanthia icteritia</i> (HUFNAGEL, 1766)																		
<i>Eupsilia transversa</i> (HUFNAGEL, 1766)																		
<i>Conistra vaccinii</i> (LINNAEUS, 1761)																		
<i>Brachylomia viminalis</i> (FABRICIUS, 1776)																		
<i>Antitype chi</i> (LINNAEUS, 1758)																		
<i>Polymixis gemmea</i> (TREITSCHKE, 1825)																		
<i>Blepharita satura</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Mniotype adusta</i> (ESPER, 1790)																		
<i>Apamea monoglypha</i> (HUFNAGEL, 1766)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Cucullia lactucae</i>	1,05	Asteraceae: <i>Prenanthes</i> , <i>Sonchus</i> , <i>Hieracium</i>	meswl
<i>Cucullia umbratica</i>	1,05	Asteraceae: <i>Sonchus</i> , <i>Cichorium</i> , <i>Hieracium</i>	meswl
<i>Shargacucullia verbasci</i>	1,03	Scrophulariaceae: <i>Scrophularia</i> , <i>Verbascum</i>	xerwl
<i>Calophasia lunula</i>	1,07	Scrophulariaceae: <i>Linaria</i> , <i>Antirrhinum</i>	xerwl
<i>Epimecia ustula</i>	2,04	herbs	xerwl
<i>Amphipyra pyramidea</i>	1,04	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> , <i>Populus</i> , <i>Prunus</i>	mesfo
<i>Amphipyra perflua</i>	1,05	deciduous trees/shrubs	mesfo
<i>Amphipyra tragopoginis</i>	1,01	herbs	mesec
<i>Amphipyra tetra</i>	1,11	herbs	xerwl
<i>Panemeria tenebrata</i>	2,01	Caryophyllaceae: <i>Cerastium</i> , <i>Stellaria</i>	hygwl
<i>Heliothis virescens</i>	1,02	herbs	ubiq
<i>Helicoverpa armigera</i>	4,01	herbs	ubiq
<i>Pyrrhia umbra</i>	1,01	<i>Ononis</i> , <i>Geranium</i> etc, deciduous shrubs	meswl
<i>Elaphria venustula</i>	1,05	herbs, grass	meswl
<i>Acosmetia caliginosa</i>	1,07	<i>Serratula tinctoria</i>	hygwl
<i>Caradrina morpheus</i>	1,05	herbs: <i>Convolvulus</i> , <i>Lamium</i> etc	hygwl
<i>Platyperigea kadenii</i>	1,10	herbs	xerwl
<i>Paradrina clavipalpis</i>	1,02	herbs	ubiq
<i>Hoplodrina octogenaria</i>	1,05	herbs: <i>Ranunculus</i> , <i>Primula</i> etc	mesec
<i>Hoplodrina blanda</i>	1,05	herbs: <i>Achillea</i> , <i>Rumex</i> etc	mesec
<i>Hoplodrina respersa</i>	2,01	herbs	meswl
<i>Hoplodrina ambigua</i>	1,06	herbs: <i>Galium</i> , <i>Rumex</i> , <i>Lamium</i>	meswl
<i>Charanyca trigrammica</i>	2,01	herbs, grass, deciduous shrubs	meswl
<i>Atypha pulmonaris</i>	1,10	Boraginaceae	mesec
<i>Spodoptera exigua</i>	B	herbs	ubiq
<i>Athetis gluteosa</i>	1,04	herbs	xerwl
<i>Proxenus hospes</i>	2,01	herbs	xerwl
<i>Dypterygia scabriuscula</i>	2,01	herbs	mesec
<i>Rusina ferruginea</i>	1,05	herbs: <i>Viola</i> , <i>Rubus</i> , <i>Taraxacum</i>	mesec
<i>Mormo maura</i>	1,12	herbs, deciduous shrubs	mesfo
<i>Polyphaenis sericata</i>	1,10	deciduous trees/shrubs: <i>Ligustrum</i> , <i>Lonicera</i> , <i>Cornus</i>	mesec
<i>Thalophila matura</i>	1,03	Poaceae: <i>Poa</i> , <i>Lolium</i> etc	meswl
<i>Trachea atriplicis</i>	1,04	herbs	meswl
<i>Euplexia lucipara</i>	1,02	herbs: <i>Impatiens</i> , <i>Rubus</i> etc	mesfo
<i>Phlogophora meticulosa</i>	1,03	herbs, deciduous shrubs	ubiq
<i>Hyppa rectilinea</i>	1,05	herbs, deciduous shrubs	mesfo
<i>Auchmis detera</i>	1,06	<i>Berberis vulgaris</i>	mesec
<i>Actinotia polyodon</i>	1,04	herbs: <i>Hypericum</i> , <i>Astragalus</i>	meswl
<i>Chloantha hyperici</i>	1,02	<i>Hypericum</i>	xerwl
<i>Calloptistria juvenina</i>	1,02	<i>Pteridium aquilinum</i>	mesfo
<i>Eucarta amethystina</i>	1,05	Apiaceae: <i>Peucedanum</i> , <i>Silaum</i> , <i>Daucus</i>	hygwl
<i>Eucarta virgo</i>	1,05	herbs, deciduous shrubs	meswl
<i>Ipimorpha retusa</i>	1,05	deciduous trees/shrubs: <i>Salix</i> , <i>Populus</i> , <i>Alnus</i> (shrubs)	mesfo
<i>Ipimorpha subtusa</i>	1,05	<i>Populus</i>	mesfo
<i>Parastichtis ypsilon</i>	1,02	Salicaceae: <i>Populus</i> , <i>Salix fragilis</i>	mesfo
<i>Cosmia trapezina</i>	1,03	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> , <i>Ulmus</i> , <i>Salix</i> etc	mesfo
<i>Xanthia icteritia</i>	1,05	<i>Salix</i> -catkins, later herbs	mesfo
<i>Eupsilia transversa</i>	1,04	herbs, deciduous trees/shrubs	mesfo
<i>Conistra vaccinii</i>	1,10	herbs, deciduous trees/shrubs	mesfo
<i>Brachylomia viminalis</i>	1,05	<i>Salix</i>	mesfo
<i>Antitype chi</i>	1,05	herbs, deciduous shrubs	mesec
<i>Polymixis gemmea</i>	2,01	Poaceae	mon
<i>Blepharita satura</i>	1,04	herbs, deciduous shrubs	mesec
<i>Mniotype adusta</i>	1,01	herbs: <i>Solidago</i> , <i>Galium</i> , <i>Rubus</i>	ubiq
<i>Apamea monoglypha</i>	1,05	Poaceae: <i>Bromus</i> , <i>Lolium</i> , <i>Calamagrostis</i>	meswl

Taxon	1 Magredi di S. Quirino	2 Palude Fontana Abisso	3 Palude Fragnis	4 Paludi del Corno	5 Torbiera Scichizza	6 Torbiera di Sequalis	7 Torbiera di Casasola	8 Prati di Col S. Florenano	9 Palude di Cima Corso	10 Torbiera di Pramollo	11 Torbiera di Lazzacco	12 Risorgive di Flambro	13 Torbiera di Curiedi	14 Risorgive di Zanicco	15 Palude del F. Cavana	16 Risorgive di Virco	17 Prati umidi di Quadris	18 Torbiera di B. go Pegoraro
<i>Apamea sublustris</i> (ESPER, 1788)																		
<i>Apamea crenata</i> (HUFNAGEL, 1766)																		
<i>Apamea epomidion</i> (HAWORTH, 1809)																		
<i>Apamea maillardi</i> (GEYER, 1834)																		
<i>Apamea rubirena</i> (TREITSCHKE, 1825)																		
<i>Apamea remissa</i> (HÜBNER, 1809)																		
<i>Apamea sordens</i> (HUFNAGEL, 1766)																		
<i>Apamea scolopacina</i> (ESPER, 1788)																		
<i>Apamea ophiogramma</i> (ESPER, 1794)																		
<i>Oligia strigilis</i> (LINNAEUS, 1758)																		
<i>Oligia versicolor</i> (BORKHAUSEN, 1792)																		
<i>Oligia latruncula</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Oligia dubia</i> (HEYDEMANN, 1942)																		
<i>Mesoligia furuncula</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Mesapamea secalis</i> (LINNAEUS, 1758)/ <i>didyma</i> (ESPER, 1788)																		
<i>Photodes minima</i> (HAWORTH, 1809)																		
<i>Luperina dumerilii</i> (DUPONCHEL, 1826)																		
<i>Rhizedra lutos</i> (HÜBNER, 1803)																		
<i>Amphipoea oculate</i> (LINNAEUS, 1761)																		
<i>Hydraecia micacea</i> (ESPER, 1789)																		
<i>Celaena leucostigma</i> (HÜBNER, 1808)																		
<i>Phragmatiphila nexa</i> (HÜBNER, 1808)																		
<i>Archana geminipuncta</i> (HAWORTH, 1809)																		
<i>Archana neurica</i> (HÜBNER, 1808)																		
<i>Archana dissoluta</i> (TREITSCHKE, 1825)																		
<i>Archana sparganii</i> (ESPER, 1790)																		
<i>Chortodes sohnretheli</i> (PÜNGELER, 1907)																		
<i>Coenobia rufa</i> (HAWORTH, 1809)																		
<i>Hadula trifolii</i> (HUFNAGEL, 1766)																		
<i>Hadula stigmata</i> (CHRISTOPH, 1887)																		
<i>Lacanobia w-latium</i> (HUFNAGEL, 1766)																		
<i>Lacanobia splendens</i> (HÜBNER, 1808)																		
<i>Lacanobia blema</i> (HÜBNER, 1824)																		
<i>Lacanobia oleracea</i> (LINNAEUS, 1758)																		
<i>Lacanobia thalassina</i> (HUFNAGEL, 1766)																		
<i>Lacanobia contigua</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Lacanobia suasa</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Hada plebeja</i> (LINNAEUS, 1761)																		
<i>Hadena bicurris</i> (HUFNAGEL, 1766)																		
<i>Hadena luteago</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Hadena confusa</i> (HUFNAGEL, 1766)																		
<i>Hadena caesia</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Hadena rivularis</i> (FABRICIUS, 1775)																		
<i>Hadena perplexa</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Sideridis lampira</i> (SCHAWERDA, 1913)																		
<i>Sideridis turbida</i> (ESPER, 1790)																		
<i>Heliothobus reticulata</i> (GOEZE, 1781)																		
<i>Melanchra persicariae</i> (LINNAEUS, 1761)																		
<i>Melanchra pisi</i> (LINNAEUS, 1758)																		
<i>Mamestra brassicae</i> (LINNAEUS, 1758)																		
<i>Polia nebulosa</i> (HUFNAGEL, 1766)																		
<i>Mythimna turca</i> (LINNAEUS, 1761)																		
<i>Mythimna conigera</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Mythimna ferrago</i> (FABRICIUS, 1787)																		
<i>Mythimna albipuncta</i> (DENIS & SCHIFFERMÜLLER, 1775)																		

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Apamea sublustris</i>	2,01	Poaceae	meswl
<i>Apamea crenata</i>	1,05	Poaceae: <i>Calamagrostis</i> , <i>Deschampsia</i> etc	meswl
<i>Apamea epomidion</i>	1,05	Poaceae	mesec
<i>Apamea maillardi</i>	1,07	Poaceae	mon
<i>Apamea rubirena</i>	1,05	Poaceae	mon
<i>Apamea remissa</i>	1,05	Poaceae: <i>Calamagrostis</i> , <i>Molinia</i> , <i>Festuca</i>	hygwl
<i>Apamea sordens</i>	1,05	Poaceae	meswl
<i>Apamea scolopacina</i>	1,05	Poaceae: <i>Briza</i> etc, Cyperaceae: <i>Eleocharis</i>	mesec
<i>Apamea ophiogramma</i>	1,05	<i>Iris</i> , <i>Glyceria</i> , <i>Phalaris</i> , <i>Phragmites</i>	hygwl
<i>Oligia strigilis</i>	1,05	Poaceae	mesec
<i>Oligia versicolor</i>	2,01	?Poaceae	mesec
<i>Oligia latruncula</i>	2,01	Poaceae	mesec
<i>Oligia dubia</i>	2,04	unknown	xerwl
<i>Mesoligia furuncula</i>	1,02	Poaceae: <i>Festuca</i> , <i>Deschampsia</i> , <i>Arrhenatherum</i>	xerwl
<i>Mesapamea secalis/didyma</i>	1,03	Poaceae: <i>Festuca</i> , <i>Deschampsia</i> , <i>Holcus</i> etc	meswl
<i>Photodes minima</i>	1,05	Poaceae: esp. <i>Deschampsia cespitosa</i>	hygwl
<i>Luperina dumerilii</i>	1,09	Poaceae	xerwl
<i>Rhizedra lutos</i>	1,04	<i>Phragmites australis</i> , endophag	hygwl
<i>Amphipoea oculate</i>	1,05	Poaceae: <i>Calamagrostis</i> , <i>Dactylis</i> etc	hygwl
<i>Hydraecia micacea</i>	1,05	<i>Petasites</i> , <i>Iris</i> , <i>Glyceria</i> , <i>Phragmites</i> etc	hygwl
<i>Celaena leucostigma</i>	1,04	<i>Iris</i> , <i>Glyceria</i> , <i>Salix</i> etc	hygwl
<i>Phragmatiphila nexa</i>	2,03	Cyperaceae, Poaceae	hygwl
<i>Archana geminipuncta</i>	2,01	<i>Phragmites australis</i> , endophag	hygwl
<i>Archana neurica</i>	1,12	Poaceae: <i>Phragmites</i> , <i>Phalaris</i>	hygwl
<i>Archana dissoluta</i>	1,12	<i>Phragmites australis</i> , endophag	hygwl
<i>Archana sparganii</i>	1,04	herbs: <i>Iris</i> , grass: <i>Typha</i> , <i>Sparganium</i>	hygwl
<i>Chortodes sohnretheli</i>	C	unknown	hygwl
<i>Coenobia rufa</i>	2,03	<i>Juncus subnodulosus</i>	hygwl
<i>Hadula trifolii</i>	1,01	herbs	xerwl
<i>Hadula stigmata</i>	D	Salsolaceae, Chenopodiaceae	hygwl
<i>Lacanobia w-latium</i>	1,04	herbs	meswl
<i>Lacanobia splendens</i>	1,04	herbs	hygwl
<i>Lacanobia blema</i>	1,09	herbs	hygwl
<i>Lacanobia oleracea</i>	1,02	herbs	meswl
<i>Lacanobia thalassina</i>	1,05	herbs, deciduous trees/shrubs	mesec
<i>Lacanobia contigua</i>	1,04	herbs, deciduous trees/shrubs	mesec
<i>Lacanobia suasa</i>	1,04	herbs	mesec
<i>Hada plebeja</i>	1,04	herbs	mon
<i>Hadena bicurris</i>	D	Caryophyllaceae: <i>Silene</i> , <i>Saponaria</i>	meswl
<i>Hadena luteago</i>	1,12	<i>Silene</i>	xerwl
<i>Hadena confusa</i>	1,06	Caryophyllaceae: <i>Silene</i> , <i>Lychnis</i> etc.	meswl
<i>Hadena caesia</i>	2,01	<i>Silene</i>	mon
<i>Hadena rivularis</i>	1,05	Caryophyllaceae: <i>Silene</i> , <i>Lychnis</i> etc.	meswl
<i>Hadena perplexa</i>	1,02	Caryophyllaceae: <i>Silene</i> , <i>Saponaria</i> etc.	meswl
<i>Sideridis lampira</i>	1,07	Apiaceae: <i>Pimpinella</i> , <i>Seseli</i>	xerwl
<i>Sideridis turbida</i>	1,05	herbs	xerwl
<i>Heliothobus reticulata</i>	1,05	Caryophyllaceae: <i>Silene</i> , <i>Dianthus</i>	mesec
<i>Melanchra persicariae</i>	1,05	herbs, deciduous shrubs	mesec
<i>Melanchra pisi</i>	1,05	herbs, deciduous shrubs	ubiq
<i>Mamestra brassicae</i>	1,05	herbs	ubiq
<i>Polia nebulosa</i>	1,05	deciduous trees/shrubs, herbs	mesec
<i>Mythimna turca</i>	1,05	grass, herbs	hygwl
<i>Mythimna conigera</i>	1,04	grass, herbs	meswl
<i>Mythimna ferrago</i>	1,02	Poaceae	meswl
<i>Mythimna albipuncta</i>	1,02	Poaceae	meswl

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Mythimna vitellina</i> (HÜBNER, 1808)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna pudorina</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna straminea</i> (TREITSCHKE, 1825)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna impura</i> (HÜBNER, 1808)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna pallens</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna flammea</i> (CURTIS, 1828)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna obsoleta</i> (HÜBNER, 1803)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna zaeae</i> (DUPONCHEL, 1827)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna congrua</i> (HÜBNER, 1817)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna l-album</i> (LINNAEUS, 1767)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna sicula</i> (TREITSCHKE, 1835)/ <i>scirpi</i> (DUPONCHEL, 1836)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna riparia</i> (RAMBUR, 1829)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna loreyi</i> (DUPONCHEL, 1827)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Mythimna unipuncta</i> (HAWORTH, 1809)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Orthosia incerta</i> (HUFNAGEL, 1766)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Orthosia gothica</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Orthosia cruda</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Orthosia cerasi</i> (FABRICIUS, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Orthosia gracilis</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Orthosia munda</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Panolis flammea</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cerapteryx graminis</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Eriopygodes imbecilla</i> (FABRICIUS, 1794)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Lasionycta proxima</i> (HÜBNER, 1809)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Axylla putris</i> (LINNAEUS, 1761)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Ochropleura plecta</i> (LINNAEUS, 1761)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Ochropleura leucogaster</i> (FREYER, 1831)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Diarsia mendica</i> (FABRICIUS, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Diarsia dahlia</i> (HÜBNER, 1813)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Diarsia brunnea</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Diarsia rubi</i> (VIEWEG, 1790)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Noctua pronuba</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Noctua comes</i> HÜBNER, 1813	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Noctua fimbriata</i> (SCHREBER, 1759)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Noctua tirrenica</i> BIEBINGER, SPEIDEL & HANIGK, 1983	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Noctua janthina</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Noctua interjecta</i> HÜBNER, 1803	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Lycophotia porphyrea</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Chersotis cuprea</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Eurois occulta</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Xestia speciosa</i> (HÜBNER, 1813)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Xestia c-nigrum</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Xestia ditrapezium</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Xestia triangulum</i> (HUFNAGEL, 1766)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Xestia ashworthii</i> (DOUBLEDAY, 1855)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Xestia baja</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Xestia ochreago</i> (HÜBNER, 1809)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Xestia stigmatica</i> (HÜBNER, 1813)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Eugraphe sigma</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cerastis rubricosa</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Anaplectoides prasina</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Euxoa distinguenda</i> (LEDERER, 1857)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Euxoa nigricans</i> (LINNAEUS, 1761)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Agrotis ipsilon</i> (HUFNAGEL, 1766)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Agrotis exclamatoris</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Mythimna vitellina</i>	1,02	grass, herbs	ubiq
<i>Mythimna pudorina</i>	1,05	Poaceae, Cyperaceae	hygwl
<i>Mythimna straminea</i>	1,03	Poaceae: <i>Phragmites</i> , Cyperaceae: <i>Carex acuta</i>	hygwl
<i>Mythimna impura</i>	1,05	Poaceae	hygwl
<i>Mythimna pallens</i>	1,05	grass, herbs	meswl
<i>Mythimna flammea</i>	1,05	<i>Phragmites australis</i>	hygwl
<i>Mythimna obsoleta</i>	1,05	<i>Phragmites australis</i>	hygwl
<i>Mythimna zaeae</i>	1,08	Poaceae: <i>Oryza</i> , <i>Triticum</i> , <i>Zeae</i>	xerwl
<i>Mythimna congrua</i>	1,10	Poaceae	?hygwl
<i>Mythimna l-album</i>	1,06	Poaceae	ubiq
<i>Mythimna sicula/scirpi</i>	1,03	Poaceae	xerwl
<i>Mythimna riparia</i>	1,10	?Poaceae	hygwl
<i>Mythimna loreyi</i>	B	Poaceae	xerwl
<i>Mythimna unipuncta</i>	B	Poaceae	ubiq
<i>Orthosia incerta</i>	1,04	deciduous trees/shrubs	mesfo
<i>Orthosia gothica</i>	1,05	deciduous trees/shrubs, herbs	mesfo
<i>Orthosia cruda</i>	1,12	deciduous trees/shrubs	mesfo
<i>Orthosia cerasi</i>	1,05	deciduous trees/shrubs: <i>Quercus</i> , <i>Tilia</i> , <i>Populus</i> , <i>Prunus</i>	mesfo
<i>Orthosia gracilis</i>	1,05	<i>Lysimachia</i> , <i>Filipendula</i> , <i>Rubus</i> , <i>Salix</i> etc	hygwl
<i>Orthosia munda</i>	1,04	deciduous trees/shrubs	mesfo
<i>Panolis flammea</i>	1,05	Pinaceae: <i>Pinus</i> , <i>Picea</i>	mesfo
<i>Cerapteryx graminis</i>	1,05	Poaceae	meswl
<i>Eriopygodes imbecilla</i>	1,05	herbs	mon
<i>Lasionycta proxima</i>	1,04	herbs	meswl
<i>Axylla putris</i>	1,02	grass, herbs	ubiq
<i>Ochropleura plecta</i>	1,01	herbs	ubiq
<i>Ochropleura leucogaster</i>	3,01	herbs	xerwl
<i>Diarsia mendica</i>	1,05	herbs	mesec
<i>Diarsia dahlia</i>	1,05	deciduous bushes, herbs	mesfo
<i>Diarsia brunnea</i>	1,01	grass, herbs, deciduous shrubs	mesec
<i>Diarsia rubi</i>	2,01	grass, herbs	hygwl
<i>Noctua pronuba</i>	1,02	grass, herbs	ubiq
<i>Noctua comes</i>	1,05	herbs	mesec
<i>Noctua fimbriata</i>	1,05	herbs, deciduous shrubs	mesec
<i>Noctua tirrenica</i>	3,01	?herbs	?xerwl
<i>Noctua janthina</i>	1,07	herbs, deciduous trees/shrubs	mesfo
<i>Noctua interjecta</i>	2,01	<i>Prunus padus</i> , <i>Lonicera</i> , herbs	mesec
<i>Lycophotia porphyrea</i>	2,01	<i>Calluna vulgaris</i>	mesec
<i>Chersotis cuprea</i>	1,04	herbs	mon
<i>Eurois occulta</i>	1,01	herbs, esp. <i>Vaccinium</i>	hygwl
<i>Xestia speciosa</i>	1,05	herbs, esp. <i>Ericaceae</i>	mon
<i>Xestia c-nigrum</i>	1,01	herbs	ubiq
<i>Xestia ditrapezium</i>	1,05	herbs, deciduous shrubs	mesec
<i>Xestia triangulum</i>	1,05	herbs	mesec
<i>Xestia ashworthii</i>	1,05	herbs, deciduous shrubs	mon
<i>Xestia baja</i>	1,04	herbs, deciduous shrubs	mesec
<i>Xestia ochreago</i>	2,04	Asteraceae	mon
<i>Xestia stigmatica</i>	2,01	grass, herbs	mesec
<i>Eugraphe sigma</i>	1,04	herbs, deciduous shrubs	mesec
<i>Cerastis rubricosa</i>	1,05	herbs	mesec
<i>Anaplectoides prasina</i>	1,01	herbs, deciduous shrubs	mesec
<i>Euxoa distinguenda</i>	1,07	grass, herbs	xerwl
<i>Euxoa nigricans</i>	1,05	grass, herbs	xerwl
<i>Agrotis ipsilon</i>	B	grass, herbs	ubiq
<i>Agrotis exclamatoris</i>	1,04	grass, herbs	ubiq

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<i>Agrotis clavus</i> (HUFNAGEL, 1766)																		
<i>Agrotis segetum</i> (DENIS & SCHIFFERMÜLLER, 1775)	+																	
PANTHEIDAE																		
<i>Panthea coenobita</i> (ESPER, 1785)																		
<i>Colocasia coryli</i> (LINNAEUS, 1758)	+	+																
LYMANTRIIDAE																		
<i>Lymantria monacha</i> (LINNAEUS, 1758)																		
<i>Lymantria dispar</i> (LINNAEUS, 1758)	+																	
<i>Calliteara pudibunda</i> (LINNAEUS, 1758)																		
<i>Orgyia antiqua</i> (LINNAEUS, 1758)	+	+																
<i>Euproctis similis</i> (FUESSLY, 1775)																		
<i>Leucoma salicis</i> (LINNAEUS, 1758)																		
<i>Arctornis l-nigrum</i> (MÖLLER, 1764)																		
NOLIDAE																		
<i>Meganola strigula</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Meganola albula</i> (DENIS & SCHIFFERMÜLLER, 1775)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Nola aerugula</i> (HÜBNER, 1793)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Nola chlamitulalis</i> (HÜBNER, 1813)																		
<i>Nyctea revayana</i> (SCOPOLI, 1762)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Nyctea asiatica</i> (KRULIKOWSKY, 1904)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Nyctea siculana</i> (FUCHS, 1899)																		
<i>Bena bicolorana</i> (FUESSLY, 1775)																		
<i>Pseudoips prasinana</i> (LINNAEUS, 1758)																		
<i>Earias clorana</i> (LINNAEUS, 1761)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Earias vernana</i> (FABRICIUS, 1787)																		
ARCTIIDAE																		
<i>Mitochrista miniata</i> (FORSTER, 1771)																		
<i>Cybosia mesomella</i> (LINNAEUS, 1758)																		
<i>Pelosia muscerda</i> (HUFNAGEL, 1766)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Pelosia obtusa</i> (HERRICH-SCHÄFFER, 1847)																		
<i>Atolmis rubricollis</i> (LINNAEUS, 1758)																		
<i>Lithosia quadra</i> (LINNAEUS, 1758)																		
<i>Eilema depressa</i> (ESPER, 1787)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Eilema griseola</i> (HÜBNER, 1803)																		
<i>Eilema lurideola</i> (ZINCKEN, 1817)																		
<i>Eilema complana</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Eilema caniola</i> (HÜBNER, 1808)																		
<i>Eilema palliatella</i> (SCOPOLI, 1763)	+																	
<i>Eilema pygmaeola</i> (DOUBLEDAY, 1847)	+																	
<i>Eilema sororcula</i> (HUFNAGEL, 1766)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Setina irrorella</i> (LINNAEUS, 1758)																		
<i>Setina roscida</i> (DENIS & SCHIFFERMÜLLER, 1775)																		
<i>Amata phegea</i> (LINNAEUS, 1758)																		
<i>Dysauxes ancilla</i> (LINNAEUS, 1767)																		
<i>Dysauxes famula</i> (FREYER, 1836)																		
<i>Spiris striata</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Phragmatobia fuliginosa</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Spilosoma lutea</i> (HUFNAGEL, 1766)																		
<i>Spilosoma lubricipeda</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Hyphantria cunea</i> (DRURY, 1773)																		
<i>Diacrisia sannio</i> (LINNAEUS, 1758)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Arctia caja</i> (LINNAEUS, 1758)																		
<i>Arctia villica</i> (LINNAEUS, 1758)																		
<i>Callimorpha dominula</i> (LINNAEUS, 1758)																		
<i>Euplagia quadripunctaria</i> (PODA, 1761)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Taxon	Chorotype	Larval hostplant	Ecotype
<i>Agrotis clavus</i>	1,05	grass, herbs	mon
<i>Agrotis segetum</i>	D	grass, herbs	ubiq
PANTHEIDAE			
<i>Panthea coenobita</i>	1,05	Pinaceae: <i>Picea</i> , <i>Pinus</i> , <i>Abies</i> , <i>Larix</i>	mesfo
<i>Colocasia coryli</i>	1,05	deciduous trees/shrubs: <i>Quercus</i> , <i>Fagus</i> , <i>Tilia</i> , <i>Corylus</i>	mesfo
LYMANTRIIDAE			
<i>Lymantria monacha</i>	1,04	conifers: esp. <i>Picea</i> , <i>Pinus</i> , deciduous trees/shrubs	mesfo
<i>Lymantria dispar</i>	1,02	deciduous trees/shrubs: esp. <i>Quercus</i> , conifers	mesfo
<i>Calliteara pudibunda</i>	1,03	Betulaceae: <i>Betula</i> , Fagaceae: <i>Quercus</i> etc	mesfo
<i>Orgyia antiqua</i>	1,01	deciduous trees/shrubs: <i>Salix</i> , <i>Fagus</i> , <i>Quercus</i> , <i>Prunus</i>	mesfo
<i>Euproctis similis</i>	1,04	deciduous trees/shrubs: <i>Populus</i> , <i>Salix</i> , <i>Tilia</i> , <i>Quercus</i>	mesfo
<i>Leucoma salicis</i>	1,02	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Arctornis l-nigrum</i>	1,04	deciduous trees/shrubs: <i>Tilia</i> , <i>Fagus</i> , <i>Salix</i> , <i>Ulmus</i>	mesfo
NOLIDAE			
<i>Meganola strigula</i>	2,01	deciduous trees/shrubs: esp. <i>Quercus</i>	mesfo
<i>Meganola albula</i>	1,05	deciduous trees/shrubs: esp. <i>Quercus</i>	mesfo
<i>Nola aerugula</i>	1,05	deciduous trees/shrubs: <i>Betula</i> , Fabaceae: <i>Lotus</i> etc	mesfo
<i>Nola chlamitulalis</i>	1,02	herbs: <i>Odontites</i> , <i>Scabiosa</i> , <i>Teucrium</i>	xerwl
<i>Nyctea revayana</i>	1,06	<i>Quercus</i>	mesfo
<i>Nyctea asiatica</i>	1,04	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Nyctea siculana</i>	D	Salicaceae: <i>Populus</i> , <i>Salix</i>	mesfo
<i>Bena bicolorana</i>	D	deciduous trees/shrubs: <i>Fagus</i> , <i>Quercus</i> , <i>Betula</i> , <i>Sorbus</i>	mesfo
<i>Pseudoips prasinana</i>	1,04	deciduous trees/shrubs: <i>Quercus</i> , <i>Fagus</i> , <i>Betula</i> , <i>Fraxinus</i>	mesfo
<i>Earias clorana</i>	1,03	<i>Salix</i> (esp. shrubs)	mesec
<i>Earias vernana</i>	1,03	<i>Populus alba</i>	mesfo
ARCTIIDAE			
<i>Mitochrista miniata</i>	1,05	lichens	mesfo
<i>Cybosia mesomella</i>	1,05	lichens, moss	hygw
<i>Pelosia muscerda</i>	1,05	algae, lichens, on <i>Alnus</i>	mesfo
<i>Pelosia obtusa</i>	1,05	algae, lichens, on <i>Alnus</i>	mesfo
<i>Atolmis rubricollis</i>	1,05	lichens	mesfo
<i>Lithosia quadra</i>	1,05	lichens	mesfo
<i>Eilema depressa</i>	1,05	lichens	mesfo
<i>Eilema griseola</i>	1,05	lichens, on <i>Alnus</i> , <i>Populus</i> , <i>Fraxinus</i> etc	mesfo
<i>Eilema lurideola</i>	1,05	lichens	mesfo
<i>Eilema complana</i>	1,05	lichens	mesfo
<i>Eilema caniola</i>	1,09	lichens, algae	xerwl
<i>Eilema palliatella</i>	1,12	lichens	xerwl
<i>Eilema pygmaeola</i>	1,02	lichens	xerwl
<i>Eilema sororcula</i>	1,04	lichens	mesfo
<i>Setina irrorella</i>	1,05	lichens	xerwl
<i>Setina roscida</i>	2,01	lichens	alp
<i>Amata phegea</i>	2,04	herbs	mesec
<i>Dysauxes ancilla</i>	2,01	herbs, lichens, moss	xerar
<i>Dysauxes famula</i>	3,01	herbs, lichens, deciduous shrubs	xerar
<i>Spiris striata</i>	1,05	herbs	xerwl
<i>Phragmatobia fuliginosa</i>	1,02	herbs	meswl
<i>Spilosoma lutea</i>	1,05	herbs	meswl
<i>Spilosoma lubricipeda</i>	1,05	herbs	meswl
<i>Hyphantria cunea</i>	D	herbs, deciduous trees/shrubs	xerar
<i>Diacrisia sannio</i>	1,05	herbs	hygw
<i>Arctia caja</i>	1,01	herbs, deciduous shrubs	meswl
<i>Arctia villica</i>	1,03	herbs	xerwl
<i>Callimorpha dominula</i>	2,01	herbs, deciduous shrubs	mesec
<i>Euplagia quadripunctaria</i>	2,01	herbs, deciduous shrubs	mesec

Authors' addresses - Indirizzi degli Autori:

- Dr. Peter HUEMER

Tiroler Landesmuseum Ferdinandeum
Naturwissenschaftliche Sammlungen
Feldstrasse 11a, A-6020 INNSBRUCK (Austria)
e-mail: P.Huemer@tiroler-landesmuseum.at

- Dr. Carlo MORANDINI

Museo Friulano di Storia Naturale
Via Lionello 1, I-33100 UDINE UD
e-mail: carlo.morandini@comune.udine.it