

# Checklist of Herbivorous Insects of Native and Exotic Oaks in Hungary I. (Lepidoptera)

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**Abstract** – As far as is currently known, 308 lepidopteran species belonging to 32 families feed on oaks in Hungary. The family Geometridae is the richest in quercivorous (oak feeding) species (63), followed by Noctuidae (62), and Tortricidae (39). Hungarian data are available for 69.4% of this fauna (215 species). Numbers of species-level hostplant data are *Quercus cerris*: 65, *Quercus petraea*: 119, *Quercus pubescens*: 89, *Quercus robur*: 111, *Quercus rubra*: 16. These species numbers exceed the species numbers published 10 years ago by 70%.

## ***Quercus* / herbivore insects / Lepidoptera**

**Kivonat** – A magyarországi tölgyek herbivor rovarainak listája I. Jelenleg 32 családba tartozó 308 magyarországi lepkefajról tudjuk, hogy tölgyeken táplálkozik. Tölgyön táplálkozó fajokban leggazdagabb az araszólepkék (63 faj), a bagolylepkék (62 faj) és a sodrómolyok családja (39 faj). A 308 lepkefaj 69,4 %-a (215 faj) eredeti, magyarországi adatot alapul véve került fel a listára. Az egyes tölgyfajok esetében az alábbi számú lepkefajra vonatkozóan vannak faji pontosságú tápnövény adataink: *Quercus cerris*: 65, *Quercus petraea*: 119, *Quercus pubescens*: 89, *Quercus robur*: 110, *Quercus rubra*: 16. Ezek a fajszámok mintegy 70 %-kal haladják meg a 10 évvel korábban publikált fajlista hasonló értékeit.

## ***Quercus* / herbivor rovarok / Lepidoptera**

### **1 INTRODUCTION**

The richness and differences of herbivore insect guilds on different trees and shrubs has received considerable attention in insect ecological research over the last three decades (Strong – Levin, 1979; Neuvonen – Niemelä 1981, 1983;. Kennedy – Southwood, 1984; Karban – Ricklefs 1983, 1984;. Altenkirch, 1986; Leather, 1986; Szentkirályi – Kozár, 1991; Gaston, 1992; etc.).

Hungarian knowledge on this topic is rather sporadic. Csóka (1996) compiled the list of herbivore insects of different tree species and particularly those feeding on oaks (1994, 1998). These lists were mainly based on literature data. According to these checklists, the number of herbivorous insects feeding on oaks in Hungary is about 630. This number is very high

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compared to the 423 published from Great Britain (Southwood – Kennedy, 1984) and 298 from Germany (Altenkirch, 1986). The total of 630 species is also very high in comparison to herbivore richness associated with any other genera of woody plants in Hungary. It is nearly 40 % higher than that of the second highest, *Salix*. 46,5% of the 630 species belong to the Lepidoptera. With this share the Lepidoptera is by far the richest herbivore insect order feeding on oaks in Hungary, with more than twice the species richness of the Hymenoptera (131) and Coleoptera (121) (Csóka 1994, 1998).

This article is the first part of a series planned to have 3 parts. It deals only with Lepidopteran herbivores of oaks. Compared to former works it lists far more original Hungarian rearing data resulting from intensive collecting of oak herbivore insects. There is no need to emphasise the higher value of reliable original rearing data compared to the sometimes unreliable literature data.

This list deals only with the species where the larvae or the adult feed on living tissues of oaks, and does not deal with saproxylophagous species feeding on dead wood, on lichens or in fungi living on trees.

## 2 ORIGIN OF THE DATA LISTED

The paper primarily considers original Hungarian rearing data, but lists also literature data if necessary. The data are classified into three categories.

- Previously published or as yet unpublished original data of the two authors. These data are indicated by the abbreviated names of the authors (Cs.Gy.= György Csóka, Sz.Cs.= Csaba Szabóky).
- Original Hungarian rearing data. Only articles in which original rearing data were published are considered (Tallós 1961; Szöcs 1963, 1971, 1973, 1977; Mészáros 1969, 1972, 1974, 1981; Herczig et al 1980; Szeőke 1982; Csóka 1991; Csóka – Hirka 2002).
- Foreign host plant records are listed only in cases where data from the previous two categories were not available. We have tried to avoid listing data from foreign handbooks because it is quite likely that the data presented date from other, earlier handbooks.

The majority of the foreign data are from Patočka et al. (1999). This monograph is based on original Slovakian data, and therefore the reliability of the data together with the geographical closeness make them more appropriate.

## 3 CHECKLIST

The families and the species within the families and also the host plants are listed in alphabetical order. In the list there are \* signs following the names of 6 *Pammene* species. These 6 species have a very special life history. Their larvae feed on gall tissues inside the galls formed by gall wasps belonging to family Cynipidae. But because they feed on living plant tissues they must be considered as herbivores.

**Arctiidae**

- Callimorpha dominula* Linnaeus, 1758  
*Quercus petraea*: Csóka, 1991  
*Euplagia quadripunctaria* Poda 1761  
*Quercus petraea*: Csóka, 1991  
*Hyphantria cunea* Drury, 1773  
*Quercus robur*: Csóka, 1991  
*Quercus rubra*: Cs.Gy.

**Bucculatricidae**

- Bucculatrix ulmella* Zeller, 1848  
*Quercus cerris*: Szócs, 1971  
*Quercus petraea*: Szócs, 1977

**Chimabachidae**

- Diurnea fagella* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Cs.Gy.

**Coleophoridae**

- Coleophora anatipennella* (Hübner, 1796)  
*Quercus* sp.: Szócs 1977  
*Coleophora currucipennella* Zeller, 1839  
*Quercus cerris*: Szócs, 1971  
*Quercus pubescens*: Herczig et al. 1980  
*Coleophora flavipennella* (Duponchel, 1843)  
*Quercus* sp.: Szócs 1977  
*Coleophora ibipennella* Zeller, 1849  
*Quercus* sp.: Szócs 1977  
*Coleophora kuehnella* Zincken, 1813  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Coleophora lutipennella* (Zeller, 1838)  
*Quercus petraea*: Szócs, 1971  
*Quercus pubescens*: Herczig et al. 1980

**Cosmopterygidae**

- Dystebenna stephensi* (Stainton, 1849)  
*Quercus* sp.: Emmet 1988

**Cossidae**

- Cossus cossus* (Linnaeus, 1758)  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Quercus rubra*: Cs.Gy.  
*Zeuzera pyrina* (Linnaeus, 1761)  
*Quercus rubra*: Cs.Gy.

**Drepanidae**

- Drepana binaria* Hufnagel, 1767  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Csóka, 1991  
*Drepana curvatula* Borkhausen, 1790  
*Quercus* sp.: Vojnits et al 1991  
*Drepana falcataria* Linnaeus, 1758  
*Quercus petraea*: Cs.Gy.

- Sabra harpagula* Esper, 1786  
*Quercus petraea*: Cs.Gy.

**Eriocraniidae**

- Dyseriocrania subpurpurella* (Haworth, 1828)  
*Quercus* sp.: Emmet 1988

**Gelechiidae**

- Anacamptis timidella* (Wocke, 1887)  
*Quercus cerris*: Patočka et al 1999  
*Quercus pubescens*: Patočka et al 1999  
*Carpatolechia decorella* (Haworth, 1812)  
*Quercus* sp.: Patočka et al 1999  
*Parastenolechia nigrinotella* (Zeller, 1847)  
*Quercus pubescens*: Patočka et al 1999  
*Pseudotelphusa paripunctella* (Thunberg, 1794)  
*Quercus* sp.: Patočka et al 1999  
*Pseudotelphusa scalella* (Scopoli, 1763)  
*Quercus* sp.: Patočka et al 1999  
*Psoricoptera gibbosella* (Zeller, 1839)  
*Quercus petraea*: Cs.Gy.  
*Stenolechia gemmella* (Linnaeus, 1758)  
*Quercus macrocarpa*: Csóka – Hirka, 2002  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Teleiodes luculella* (Hübner, 1813)  
*Quercus* sp.: Patočka et al 1999

**Geometridae**

- Abraxas grossulariata* (Linnaeus, 1758)  
*Quercus robur*: Szeőke, 1982  
*Agriopis aurantiaria* (Hübner [1799])  
*Quercus petraea*: Csóka, 1991  
*Quercus pubescens*: Csóka, 1991  
*Quercus robur*: Csóka, 1991  
*Agriopis bajaria* (Denis – Schiffermüller, 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Agriopis leucophaearia* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Agriopis marginaria* (Fabricius, 1777)  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Csóka, 1991  
*Alcis repandata* (Linnaeus, 1758)  
*Quercus* sp.: Patočka et al 1999  
*Alsophila aescularia* (Denis – Schiffermüller, 1775)  
*Quercus petraea*: Csóka, 1991  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Alsophila quadripunctaria* Esper, 1800  
*Quercus cerris*: Herczig et al. 1980  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Csóka, 1991

- Angerona prunaria* (Linnaeus, 1758)  
*Quercus* sp.: Patočka et al 1999
- Apocheima hispidarium* (Denis – Schiffermüller, 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.
- Quercus robur*: Cs.Gy.
- Asthena albulata* Hufnagel, 1767  
*Quercus* sp.: Fajčík – Slamka, 1996
- Biston betularius* (Linnaeus, 1758)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.
- Quercus robur*: Cs.Gy.
- Biston stratarius* (Hufnagel, 1767)  
*Quercus petraea*: Cs.Gy.
- Quercus robur*: Cs.Gy.
- Boarmia arenaria* Hufnagel, 1767  
*Quercus* sp.: Patočka et al 1999
- Boarmia punctinalis* (Scopoli, 1763)  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Cabera pusaria* (Linnaeus, 1758)  
*Quercus* sp.: Porter 1997
- Campaea honoraria* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Campaea margaritata* (Linnaeus, 1767)  
*Quercus petraea*: Cs.Gy.
- Chloroclysta miata* (Linnaeus, 1758)  
*Quercus* sp.: Patočka et al 1999
- Chloroclysta siterata* Hufnagel, 1767  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Colotois pennaria* (Linnaeus, 1758)  
*Quercus cerris*: Csóka, 1991  
*Quercus petraea*: Csóka, 1991  
*Quercus pubescens*: Cs.Gy., Sz.Cs.  
*Quercus robur*: Csóka, 1991  
*Quercus rubra*: Csóka – Hirka, 2001
- Comibaena bajularia* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Crocallis elinguaris* (Linnaeus, 1758).  
*Quercus pubescens*: Cs.Gy.
- Cyclophora linearia* (Hübner [1799])  
*Quercus robur*: Cs.Gy.
- Cyclophora porata* Linnaeus, 1767  
*Quercus cerris*: Szócs, 1977  
*Quercus* sp.: Mészáros, 1974, 1981
- Cyclophora punctaria* Linnaeus, 1758  
*Quercus robur*: Csóka, 1991
- Cyclophora pupillaria* (Hübner, 1799)  
*Quercus robur*: Porter 1997
- Cyclophora quercimontaria* Bastelberger, 1897  
*Quercus* sp.: Patočka et al 1999
- Cyclophora ruficiliaria* HS  
*Quercus* sp.: Mészáros, 1974
- Deileptenia ribeata* Clerck, 1759  
*Quercus* sp.: Porter 1997
- Ectropis bistortata* Goeze, 1781  
*Quercus robur*: Csóka, 1991
- Ectropis extersaria* (Hübner, 1799)  
*Quercus* sp.: Porter 1997
- Ectropis consonaria* (Hübner, 1799)  
*Quercus* sp.: Porter 1997
- Electrophaes corylata* (Thunberg, 1792)  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Ennomos autumnarius* Werneburg, 1859  
*Quercus robur*: Cs.Gy.
- Ennomos erosarius* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Ennomos quercinarius* Hufnagel, 1767  
*Quercus robur*: Csóka, 1991
- Epirrita autumnata* Borkhausen, 1794  
*Quercus cerris*: Cs.Gy.  
*Quercus robur*: Cs.Gy.
- Epirrita christyi* Prout, 1906  
*Quercus cerris*: Cs.Gy.
- Epirrita dilutata* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Porter 1997
- Erannis ankeraria* (Staudinger, 1861)  
*Quercus pubescens*: Szócs, 1971
- Erannis defoliaria* (Clerck, 1759)  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Csóka, 1991  
*Quercus rubra*: Csóka – Hirka, 2001
- Eupithecia abbreviata* Stephens, 1831  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Eupithecia dodoneata* Guenée, 1857  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Eupithecia irriguata* Hübner, 1813  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Hemithea aestivaria* (Hübner [1799])  
*Quercus* sp.: Patočka et al 1999, Porter 1997
- Hypomecis roboraria* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Csóka, 1991
- Jodis lactearia* Linnaeus, 1758  
*Quercus* sp.: Porter 1997
- Lomographa bimaculata* Fabricius, 1775  
*Quercus* sp.: Koch, 1988
- Lycia hirtaria* (Clerck, 1759)  
*Quercus robur*: Cs.Gy.
- Odontopera bidentata* (Clerck, 1759)  
*Quercus petraea*: Cs.Gy.
- Operophtera brumata* (Linnaeus, 1758)  
*Quercus cerris*: Cs.Gy.
- Quercus petraea*: Csóka, 1991  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Csóka, 1991  
*Quercus rubra*: Csóka – Hirka, 2002
- Operophtera fagata* (Scharfenberg, 1805)  
*Quercus* sp.: Patočka et al 1999

*Peribatodes rhomboidarius* (Denis – Schiffermüller, 1775)  
*Quercus robur*: Csóka, 1991  
*Phigalia pilosaria* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Csóka, 1991  
*Plagodis dolabraria* (Linnaeus, 1767)  
*Quercus petraea*: Cs.Gy.  
*Plagodis pulveraria* Linnaeus, 1758  
*Quercus* sp.: Patočka et al 1999  
*Poecilopsis pomonarius* Hübner, 1790  
*Quercus* sp.: Patočka et al 1999  
*Selenia dentaria* (Fabricius, 1775)  
*Quercus robur*: Cs.Gy.  
*Selenia lunularia* Hübner, 1788  
*Quercus robur*: Cs.Gy.  
*Selenia tetralunaria* Hufnagel, 1767  
*Quercus robur*: Cs.Gy.  
*Semiothisa alternaria* (Hübner, 1809).  
*Quercus* sp.: Patočka et al 1999  
*Semiothisa notata* (Linnaeus, 1758)  
*Quercus* sp.: Patočka et al 1999

#### Gracillariidae

*Acrocercops brongniardella* (Fabricius, 1798)  
*Quercus cerris*: Szócs, 1963, Cs.Gy.  
*Quercus ilex*: Csóka – Hirka, 2002  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Caloptilia alchimiella* (Scopoli, 1763)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Phyllonorycter abrasella* (Duponchel, 1843)  
*Quercus cerris*: Szócs, 1963, Cs.Gy.  
*Phyllonorycter delitella* (Duponchel, 1843)  
*Quercus pubescens*: Szócs, 1963  
*Phyllonorycter distentella* (Zeller, 1846)  
*Quercus petraea*: Szócs, 1971  
*Quercus pubescens*: Szócs, 1971  
*Phyllonorycter harrisella* (Linnaeus, 1761)  
*Quercus petraea*: Szócs, 1977  
*Quercus robur*: Szócs, 1963  
*Phyllonorycter heegeriella* (Zeller, 1846)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Quercus hartwissiana*: Csóka – Hirka, 2002  
*Quercus iberica*: Csóka – Hirka, 2002  
*Phyllonorycter ilicifoliella* (Duponchel, 1843)  
*Quercus cerris*: Szócs, 1963  
*Phyllonorycter lautella* (Zeller, 1846)  
*Quercus cerris*: Szócs, 1971  
*Quercus petraea*: Szócs, 1971  
*Quercus robur*: Szócs, 1971  
*Phyllonorycter muelleriella* (Zeller, 1839)  
*Quercus robur*: Szócs, 1963

*Phyllonorycter parisiella* (Wocke, 1848)  
*Quercus pubescens*: Szócs, 1971  
*Phyllonorycter quercifoliella* (Zeller, 1839)  
*Quercus cerris*: Szócs, 1963, 1971  
*Quercus petraea*: Szócs, 1963, Cs.Gy.  
*Quercus pubescens*: Szócs, 1971  
*Quercus robur*: Szócs, 1963, Cs.Gy.  
*Phyllonorycter roboris* (Zeller, 1839)  
*Quercus acutissima*: Csóka – Hirka, 2002  
*Quercus alba*: Csóka – Hirka, 2001  
*Quercus castaneifolia*: Csóka – Hirka, 2002  
*Quercus cerris*: Cs.Gy.  
*Quercus dentata*: Csóka – Hirka, 2001  
*Quercus hartwissiana*: Csóka – Hirka, 2002  
*Quercus iberica*: Csóka – Hirka, 2002  
*Quercus libani*: Csóka – Hirka, 2002  
*Quercus macranthera*: Csóka – Hirka, 2002  
*Quercus macrocarpa*: Csóka – Hirka, 2002  
*Quercus petraea*: Szócs, 1977, Cs.Gy.  
*Quercus pubescens*: Szócs, 1963, Cs.Gy.  
*Quercus robur*: Szócs, 1963, Cs.Gy.  
*Quercus trojana*: Csóka – Hirka, 2002  
*Quercus turneri x pseudoturneri*: Csóka – Hirka, 2002

*Phyllonorycter saportella* (Duponchel, 1840)  
*Quercus cerris*: Szócs, 1971  
*Quercus petraea*: Szócs, 1963  
*Quercus pubescens*: Szócs, 1971  
*Phyllonorycter scitulella* (Duponchel, 1843)  
*Quercus pubescens*: Szócs, 1971  
*Spulerina simploniella* (Fischer von Röslerstamm, 1844)  
*Quercus* sp.: Szócs, 1963

#### Heliozelidae

*Heliozela sericiella* (Haworth, 1828)  
*Quercus* sp.: Szócs 1977

#### Incurvariidae

*Incurvaria masculella* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Szócs 1977

#### Lasiocampidae

*Eriogaster catax* Linnaeus, 1758  
*Quercus cerris*: Cs.Gy.  
*Quercus pubescens*: Sz.Cs.  
*Quercus robur*: Tallós, 1961  
*Eriogaster lanestris* Linnaeus, 1758  
*Quercus robur*: Cs.Gy.  
*Eriogaster rimicola* Denis – Schiffenmüller, 1775  
*Quercus* sp.: Szócs, 1963,  
*Gastropacha quercifolia* Linnaeus, 1758  
*Quercus petraea*: Csóka, 1991, Sz.Cs.  
*Quercus pubescens*: Sz.Cs.  
*Quercus robur*: Cs.Gy.

- Lasiocampa quercus* Linnaeus 1758  
*Quercus cerris*: Cs.Gy., Sz.Cs.  
*Quercus petraea*: Cs.Gy., Sz.Cs.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Csóka, 1991
- Macrothylacia rubi* Linnaeus, 1758  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Cs.Gy.
- Malacosoma neustria* Linnaeus, 1758  
*Quercus petraea*: Mészáros, 1969, Cs.Gy., Sz.Cs.  
*Quercus pubescens*: Sz.Cs.  
*Quercus robur*: Mészáros, 1974, Cs.Gy., Sz.Cs.  
*Quercus rubra*: Cs.Gy.
- Odonestis pruni* Linnaeus, 1758  
*Quercus* sp.: Vojnits et al 1991
- Phyllodesma ilicifolia* Linnaeus, 1758  
*Quercus robur*: Cs.Gy.
- Phyllodesma tremulifolia* Hübner, 1810  
*Quercus cerris*: Sz.Cs.  
*Quercus petraea*: Sz.Cs.  
*Quercus* sp.: Vojnits et al 1991
- Poecilocampa populi* Linnaeus, 1758  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.
- Trichiura crataegi* Linnaeus, 1758  
*Quercus cerris*: Tallós, 1961
- Limacodidae**
- Apoda limacodes* (Hufnagel, 1766)  
*Quercus petraea*: Csóka, 1991, Sz.Cs.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Csóka, 1991
- Heterogenea asella* ([Denis & Schiffermüller], 1775)  
*Quercus* sp.: Porter, 1997
- Lycaenidae**
- Neozephyrus quercus* (Linnaeus, 1758)  
*Quercus petraea*: Cs.Gy., Sz.Cs.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Quercus* sp.: Mészáros, 1972
- Satyrium ilicis* (Esper, 1779)  
*Quercus pubescens*: Cs.Gy.
- Lymantriidae**
- Arctornis l-nigrum* Müller, 1864  
*Quercus robur*: Mészáros, 1974, Cs.Gy.
- Dicallomera fascelina* Linnaeus, 1758  
*Quercus petraea*: Herczig et al. 1980
- Elkneria pudibunda* Linnaeus, 1758  
*Quercus cerris*: Csóka, 1991  
*Quercus petraea*: Csóka, 1991, Sz.Cs.  
*Quercus robur*: Szeőke, 1982, Csóka, 1991  
*Quercus rubra*: Cs.Gy.
- Euproctis chrysorrhoea* Linnaeus, 1758  
*Quercus petraea*: Cs.Gy., Sz.Cs.  
*Quercus pubescens*: Cs.Gy., Sz.Cs.  
*Quercus robur*: Mészáros, 1974, Cs.Gy., Sz.Cs.  
*Quercus rubra*: Cs.Gy.
- Euproctis similis* Fuessly, 1755  
*Quercus robur*: Mészáros, 1974, Csóka, 1991, Csóka – Hirka, 2002  
*Quercus rubra*: Cs.Gy.
- Leucoma salicis* Linnaeus, 1758  
*Quercus robur*: Cs.Gy.
- Lymantria dispar* Linnaeus, 1758  
*Quercus alba*: Csóka – Hirka, 2002  
*Quercus cerris*: Szeőke, 1982, Csóka, 1991  
*Quercus frainetto*: Cs.Gy.  
*Quercus imbricaria*: Csóka – Hirka, 2002  
*Quercus macrocarpa*: Csóka – Hirka, 2002  
*Quercus macrocarpa*: Csóka – Hirka, 2002  
*Quercus palustris*: Csóka – Hirka, 2002  
*Quercus palustris*: Csóka – Hirka, 2002  
*Quercus petraea*: Csóka, 1991, Sz.Cs.  
*Quercus pubescens*: Csóka, 1991, Sz.Cs.  
*Quercus robur*: Szeőke, 1982, Csóka, 1991  
*Quercus rubra*: Csóka, 1991, Csóka – Hirka, 2002
- Lymantria monacha* Linnaeus, 1758  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Cs.Gy.
- Ocneria rubea* Fabricius, 1787  
*Quercus petraea*: Herczig et al. 1980
- Orgya antiqua* Linnaeus, 1758  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Csóka, 1991  
*Quercus rubra*: Csóka, 1991
- Teia recens* Hübner, 1819  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Quercus* sp.: Mészáros, 1974
- Nepticulidae**
- Ectoedemia albifasciella* (Heinemann, 1871)  
*Quercus cerris*: Szöcs, 1971  
*Quercus pubescens*: Szöcs, 1971
- Ectoedemia atrifrontella* (Stainton, 1851)  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Cs.Gy.
- Ectoedemia caradjai* (Groschke, 1944)  
*Quercus cerris*: Szöcs, 1963

- Quercus petraea*: Szöcs, 1971  
*Quercus pubescens*: Szöcs, 1971  
*Quercus robur*: Szöcs, 1971  
*Ectoedemia cerris* (Zimmermann, 1944)  
*Quercus cerris*: Szöcs, 1971  
*Ectoedemia contorta* Nieukerken, 1985  
*Quercus pubescens*: Lastuvka & Lastuvka 1997  
*Ectoedemia gilvipennella* (Klimesch, 1946)  
*Quercus cerris*: Szöcs, 1971  
*Ectoedemia heringi* (Toll, 1934)  
*Quercus pubescens*: Szöcs 1963  
*Quercus robur*: Szöcs, 1971  
*Ectoedemia liechtensteini* (Zimmermann, 1944)  
*Quercus cerris*: Szöcs, 1971  
*Ectoedemia longicaudella* Klimesch, 1953  
*Quercus* sp.: Lastuvka & Lastuvka 1997  
*Ectoedemia rufifrontella* (Caradja, 1920)  
*Quercus pubescens*: Szöcs, 1977  
*Ectoedemia subbimaculella* (Haworth, 1828)  
*Quercus cerris*: Szöcs 1963  
*Quercus robur*: Szöcs 1963  
*Stigmella atricapitella* (Haworth, 1828)  
*Quercus cerris*: Szöcs, 1977  
*Quercus pubescens*: Szöcs, 1977  
*Stigmella basiguttella* (Heinemann, 1862)  
*Quercus cerris*: Szöcs, 1971  
*Quercus robur*: Szöcs, 1971  
*Stigmella dorsiguttella* (Johansson, 1971)  
*Quercus* sp.: Lastuvka & Lastuvka 1997  
*Stigmella eberhardi* (Johansson, 1971)  
*Quercus petraea*: Szöcs, 1977  
*Quercus pubescens*: Szöcs, 1977  
*Stigmella roborella* (Johansson, 1971)  
*Quercus cerris*: Szöcs, 1977  
*Quercus pubescens*: Szöcs, 1977  
*Quercus robur*: Szöcs, 1977  
*Stigmella ruficapitella* (Haworth, 1828)  
*Quercus cerris*: Szöcs, 1977  
*Quercus petraea*: Szöcs, 1963  
*Quercus pubescens*: Szöcs, 1977  
*Quercus robur*: Szöcs, 1977  
*Stigmella samiatella* (Zeller, 1839)  
*Quercus macrocarpa*: Csóka – Hirka, 2002  
*Quercus robur*: Szöcs, 1977  
*Stigmella svenssoni* (Johansson, 1971)  
*Quercus robur*: Szöcs, 1977  
*Stigmella szoeciella* (Borkowski, 1972)  
*Quercus cerris*: Lastuvka & Lastuvka 1997  
*Stigmella zangherii* (Klimesch, 1951)  
*Quercus cerris*: Szöcs, 1971  
*Acronicta aceris* ([Denis – Schiffermüller], 1775)  
*Quercus pubescens*: Cs.Gy.  
*Acronicta alni* (Linnaeus, 1767)  
*Quercus* sp.: Patočka et al 1999  
*Acronicta auricoma* ([Denis – Schiffermüller], 1775)  
*Quercus robur*: Cs.Gy.  
*Acronicta euphorbiae* ([Denis – Schiffermüller], 1775)  
*Quercus robur*: Tallós, 1961  
*Acronicta psi* (Linnaeus, 1758)  
*Quercus robur*: Csóka, 1991  
*Acronicta rumicis* (Linnaeus, 1758)  
*Quercus petraea*: Cs.Gy.  
*Acronicta tridens* ([Denis – Schiffermüller], 1775)  
*Quercus robur*: Cs.Gy.  
*Agrochola circellaris* (Hufnagel, 1766)  
*Quercus* sp.: Nowacki, 1998  
*Agrochola helvola* (Linnaeus, 1758)  
*Quercus* sp.: Patočka et al 1999  
*Agrochola laevis* (Hübner, [1803])  
*Quercus* sp.: Patočka et al 1999  
*Agrochola macilenta* (Hübner, [1809])  
*Quercus* sp.: Patočka et al 1999  
*Agrotis exclamationis* (Linnaeus, 1758)  
*Quercus robur*: Cs.Gy.  
*Agrotis segetum* ([Denis – Schiffermüller], 1775)  
*Quercus robur*: Cs.Gy.  
*Agrotis vestigialis* (Hufnagel, 1766)  
*Quercus robur*: Cs.Gy.  
*Amphipyra berbera* Rungs, 1949  
*Quercus robur*: Cs.Gy.  
*Amphipyra pyramidea* (Linnaeus, 1758)  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Csóka, 1991  
*Astiotes dilecta* (Hübner, [1808])  
*Quercus* sp.: Nowacki, 1998  
*Bena prasinana* (Linnaeus, 1758)  
*Quercus pubescens*: Csóka, 1991  
*Quercus robur*: Csóka, 1991  
*Brachionycha nubeculosa* (Esper, 1785)  
*Quercus cerris*: Cs.Gy.  
*Brachionycha sphinx* (Hufnagel, 1766)  
*Quercus cerris*: Csóka, 1991  
*Catephia alchymista* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999  
*Catocala conversa* (Esper, [1787])  
*Quercus* sp.: Nowacki, 1998

**Noctuidae**

- Catocala nymphagoga* (Esper, [1787])  
*Quercus cerris*: Herczig et al. 1980, Cs.Gy.  
*Quercus petraea*: Sz.Cs.  
*Quercus pubescens*: Cs.Gy.
- Catocala promissa* ([Denis – Schiffermüller], 1775)  
*Quercus robur*: Csóka, 1991
- Catocala sponsa* (Linnaeus, 1767)  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Cs.Gy.
- Colocasia coryli* (Linnaeus, 1758)  
*Quercus petraea*: Csóka, 1991
- Conistra erythrocephala* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999
- Conistra vaccinii* (Linnaeus, 1761)  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Csóka, 1991
- Cosmia pyralina* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999
- Cosmia trapezina* (Linnaeus, 1758)  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Csóka, 1991, Sz.Cs.
- Dichonia aeruginea* (Hübner, [1808])  
*Quercus pubescens*: Patočka et al 1999
- Dichonia aprilina* (Linnaeus, 1758)  
*Quercus petraea*: Cs.Gy.
- Dichonia convergens* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.
- Dicycla oo* (Linnaeus, 1758)  
*Quercus cerris*: Herczig et al. 1980  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy., Sz.Cs.
- Dryobotodes eremita* (Fabricius, 1775)  
*Quercus cerris*: Herczig et al. 1980  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.
- Dryobotodes monochroma* (Esper, [1790])  
*Quercus cerris*: Patočka et al 1999  
*Quercus pubescens*: Patočka et al 1999
- Eupsilia transversa* (Hufnagel, 1766)  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Cs.Gy.
- Herminia grisealis* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999
- Jodia croceago* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.
- Lithophane hepatica* Clerk, 1759  
*Quercus* sp.: Nowacki, 1998
- Lithophane ornitopus* (Hufnagel, 1766)  
*Quercus* sp.: Patočka et al 1999
- Lithophane semibrunnea* (Haworth, 1809)  
*Quercus* sp.: Koch, 1988
- Mamestra brassicae* (Linnaeus, 1758)  
*Quercus cerris*: Herczig et al. 1980
- Mesogona acetosellae* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999
- Minucia lunaris* (Denis – Schiffermüller, 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.
- Moma alpium* (Osbeck, 1778)  
*Quercus* sp.: Patočka et al 1999
- Nycteola revayana* (Scopoli, 1772)  
*Quercus* sp.: Patočka et al 1999
- Orthosia cerasi* (Fabricius, 1775)  
*Quercus petraea*: Cs. Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Mészáros, 1974
- Orthosia cruda* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Csóka, 1991  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Mészáros, 1974
- Orthosia gothica* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Csóka, 1991  
*Quercus robur*: Csóka, 1991
- Orthosia gracilis* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.
- Orthosia incerta* (Hufnagel, 1766)  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Csóka, 1991  
*Quercus pubescens*: Sz.Cs.  
*Quercus robur*: Cs.Gy.
- Orthosia miniosa* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.
- Orthosia munda* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.
- Paracolax tristalis* (Fabricius, 1794)  
*Quercus* sp.: Nowacki, 1998
- Polypogon strigilata* (Linnaeus, 1758)  
*Quercus* sp.: Patočka et al 1999
- Prodotis stolidia* (Fabricius, 1775)  
*Quercus* sp.: Nowacki, 1998
- Pseudoips fagana* (Fabricius, 1781)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Sz.Cs.
- Rileyana fovea* (Treitschke, 1825)  
*Quercus pubescens*: Patočka et al 1999
- Spudaea rutila* (Esper, [1791])  
*Quercus* sp.: Koch, 1988
- Trisateles emortualis* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999

*Xanthia aurago* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.

### Nolidae

*Meganola strigula* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Vojnits et al 1991  
*Meganola togatulalis* Hübner, 1796  
*Quercus* sp.: Vojnits et al 1991  
*Nola confusalis* Herrich-Schäffer, 1847  
*Quercus* sp.: Vojnits et al 1991

### Notodontidae

*Drymonia dodonea* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Drymonia melagona* Borkhausen, 1790  
*Quercus* sp.: Vojnits et al 1991  
*Drymonia querna* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Sz.Cs.  
*Quercus robur*: Cs.Gy.  
*Drymonia ruficornis* Hufnagel, 1766  
*Quercus robur*: Cs.Gy.  
*Euchila palpina* Linnaeus, 1758  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Furcula furcula* Clerck, 1759  
*Quercus robur*: Cs.Gy.  
*Harpya milhauseri* Fabricius, 1775  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Notodonta dromedarius* Linnaeus 1758  
*Quercus robur*: Cs.Gy.  
*Ochrostigma velitaris* Hufnagel, 1766  
*Quercus* sp.: Vojnits et al 1991  
*Peridea anceps* Goeze, 1781 *Quercus*  
*Quercus robur*: Cs.Gy.  
*Phalera bucephala* Linnaeus, 1758  
*Quercus castaneifolia*: Csóka – Hirka, 2002  
*Quercus cerris*: Csóka, 1991  
*Quercus petraea*: Csóka, 1991  
*Quercus pubescens*: Cs.Gy., Sz.Cs.  
*Quercus robur*: Szeőke, 1982, Csóka, 1991  
*Quercus rubra*: Cs.Gy.  
*Phalera bucephaloides* Ochseneheimer, 1810  
*Quercus pubescens*: Csóka, 1991  
*Ptilodon capucina* Linnaeus, 1758  
*Quercus robur*: Szeőke, 1982, Csóka, 1991

*Spatalia argentina* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Stauropus fagi* Linnaeus, 1758  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Sz.Cs.

### Oecophoridae

*Carcina quercana* (Fabricius, 1775)  
*Quercus cerris*: Cs.Gy.  
*Quercus frainetto*: Cs.Gy.  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy., Sz.Cs.  
*Quercus robur*: Cs.Gy.

### Pyralidae

*Acrobasis consociella* (Hübner, 1813)  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Cs.Gy.  
*Quercus* sp.: Mészáros, 1972  
*Acrobasis glaucella* Staudinger, 1859  
*Quercus cerris*: Patočka et al 1999  
*Acrobasis sodalella* Zeller, 1848  
*Quercus cerris*: Stubnya 1955, Cs.Gy.  
*Quercus petraea*: Cs.Gy.  
*Agrotera nemoralis* (Scopoli, 1763)  
*Quercus* sp.: Slamka, 1997  
*Conobathra repandana* (Fabricius, 1798)  
*Quercus cerris*: Niklos 1917, Cs.Gy.  
*Quercus robur*: Patočka et al 1999  
*Conobathra tumidana* ([Denis – Schiffermüller], 1775)  
*Quercus cerris*: Szabóky, 2002  
*Quercus* sp.: Mészáros, 1972  
*Cryptoblabes bistriga* (Haworth, 1811)  
*Quercus* sp.: Emmet 1988  
*Elegia similella* (Zincken, 1818)  
*Quercus* sp.: Patočka et al 1999  
*Phycita roborella* ([Denis – Schiffermüller], 1775)  
*Quercus pubescens*: Sz.Cs.  
*Quercus robur*: Cs.Gy.  
*Quercus* sp.: Mészáros, 1972

### Sessiidae

*Paranthrene insolita* Le Cerf, 1914  
*Quercus pubescens*: Szabóky, 2002  
*Synanthedon conopiformis* (Esper, 1782)  
*Quercus* sp.: Laštůvka – Laštůvka, 2001;  
Patočka et al 1999  
*Synanthedon vespiformis* (Linnaeus, 1761)  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Cs.Gy.  
*Synanthedon spuleri* (Fuchs, 1908)

- Quercus* sp.: Laštůvka – Laštůvka, 2001
- Sphingidae**  
*Marumba quercus* Linnaeus, 1758  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy., Sz.Cs.  
*Quercus robur*: Cs.Gy.  
*Mimas tiliae* Linnaeus, 1758  
*Quercus robur*: Cs.Gy.
- Saturniidae**  
*Aglia tau* Linnaeus, 1758  
*Quercus petraea*: Cs.Gy.  
*Antheraea yamamay* Guerin-Meneville  
*Quercus robur*: Csóka, 1991  
*Eudia pavonia* Linnaeus, 1758  
*Quercus cerris*: Csóka, 1991  
*Quercus robur*: Szeőke, 1982
- Thaumetopoeidae**  
*Thaumetopoea processionea* Linnaeus, 1758  
*Quercus cerris*: Cs.Gy., Sz.Cs.  
*Quercus petraea*: Cs.Gy., Sz.Cs.  
*Quercus robur*: Csóka, 1991
- Thyatiridae**  
*Asphalia ridens* Fabricius, 1787  
*Quercus petraea*: Herczig et al. 1980  
*Asphalia ruficollis* Fabricius, 1887  
*Quercus* sp.: Vojnits et al 1991  
*Cymatophorima diluta* ([Denis – Schiffermüller], 1775)  
*Quercus cerris*: Herczig et al. 1980  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus* sp.: Mészáros, 1981  
*Tethea duplaris* Linnaeus, 1761  
*Quercus petraea*: Cs.Gy.
- Tischeriidae**  
*Tischeria decidua* Wocke, 1876  
*Quercus castaneifolia*: Csóka – Hirka, 2002  
*Quercus coccinea*: Csóka – Hirka, 2002  
*Quercus libani*: Csóka – Hirka, 2002  
*Quercus macranthera*: Csóka – Hirka, 2002  
*Quercus petraea*: Cs. Gy.  
*Quercus robur*: Cs. Gy.  
*Tischeria dodonea* Stainton, 1858  
*Quercus cerris*: Szőcs, 1971  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.
- Tischeria ekebladella* (Bjerkander, 1795)  
*Quercus alba*: Csóka – Hirka, 2002  
*Quercus castaneifolia*: Csóka – Hirka, 2002  
*Quercus cerris*: Szőcs, 1963, Cs.Gy.  
*Quercus dentata*: Csóka – Hirka, 2002  
*Quercus imricaria*: Csóka – Hirka, 2002  
*Quercus libani*: Csóka – Hirka, 2002  
*Quercus macranthera*: Csóka – Hirka, 2002  
*Quercus macrocarpa*: Csóka – Hirka, 2002  
*Quercus petraea*: Szőcs, 1963, Cs.Gy., Sz.Cs.  
*Quercus pontica*: Csóka – Hirka, 2001  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Szőcs, 1963, Cs.Gy.  
*Quercus rubra*: Csóka – Hirka, 2002  
*Quercus schumardii*: Csóka – Hirka, 2002  
*Quercus velutina*: Csóka – Hirka, 2002
- Tortricidae**  
*Acleris ferrugana* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999  
*Acleris literana* (Linnaeus, 1758)  
*Quercus* sp.: Patočka et al 1999  
*Acleris quercinana* (Zeller, 1849)  
*Quercus* sp.: Razowski, 2001  
*Acleris rhombana* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999  
*Acleris sparsana* ([Denis et Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999  
*Aleimma loeflingianum* (Linnaeus, 1758)  
*Quercus petraea*: Szontagh 1973, Cs.Gy.  
*Quercus pubescens*: Szontagh 1973, Cs.Gy., Sz.Cs.  
*Quercus* sp.: Mészáros 1972  
*Ancylis mitterbacheriana* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Sz.Cs.  
*Quercus robur*: Cs.Gy.  
*Archips crataegana* (Hübner, 1799)  
*Quercus pubescens*: Cs.Gy.  
*Archips podana* (Scopoli, 1763)  
*Quercus petraea*: Cs.Gy.  
*Archips rosana* (Linnaeus, 1758)  
*Quercus petraea*: Cs.Gy.  
*Archips xylosteana* (Linnaeus, 1758)  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Szontagh 1973, Cs.Gy.  
*Quercus pubescens*: Szontagh 1973, Cs.Gy., Sz.Cs.  
*Quercus robur*: Cs.Gy.  
*Quercus rubra*: Cs.Gy.  
*Choristoneura hebenstreitella* (Müller, 1764)  
*Quercus pubescens*: Herczig et al. 1980  
*Cydia amplana* (Hübner, 1799)  
*Quercus cerris*: Hirka, 2003  
*Quercus petraea*: Hirka, 2003  
*Quercus pubescens*: Hirka, 2003  
*Quercus robur*: Hirka, 2003

- Cydia triangulella* (Goeze, 1783)  
*Quercus coccinea*: Csóka – Hirka, 2002  
*Quercus frainetto*: Hirka, 2003  
*Quercus ilicifolia*: Hirka, 2003  
*Quercus palustris*: Csóka – Hirka, 2002  
*Quercus petraea*: Cs.Gy., Sz.Cs.  
*Quercus pubescens*: Cs.Gy., Sz.Cs.  
*Quercus robur*: Cs.Gy.  
*Quercus rubra*: Csóka – Hirka, 2002  
*Quercus velutina*: Hirka, 2003  
*Quercus* sp.: Szöcs, 1963,  
*Epinotia festivana* (Hübner, 1799)  
*Quercus pubescens*: Cs.Gy.  
*Eudemis profundana* ([Denis et Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Eulia ministrana* (Linnaeus, 1758)  
*Quercus* sp.: Razowski, 2001  
*Gypsonoma dealbana* (Frölich, 1828)  
*Quercus* sp.: Patočka et al 1999  
*Orthotaenia undulana* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999  
*Pammene albuginana* (Guenée, 1845)\*  
*Quercus* sp.: Razowski, 2001  
*Pammene amygdalana* (Duponchel, 1843)\*  
*Quercus cerris*: Cs.Gy.  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Pammene fasciana* (Linnaeus, 1761)  
*Quercus cerris*: Hirka, 2003  
*Quercus petraea*: Hirka, 2003  
*Quercus pubescens*: Hirka, 2003  
*Quercus* sp.: Szöcs, 1963,  
*Pammene gallicolana* Lienig et Zeller, 1846\*  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus robur*: Cs.Gy.  
*Pammene giganteana* (Peyerimhoff, 1863)\*  
*Quercus robur*: Cs.Gy.  
*Pammene insulana* (Guenée, 1845)\*  
*Quercus* sp.: Razowski, 2001  
*Pammene querceti* (Gozmány, 1957)\*  
*Quercus pubescens*: Razowski, 2001  
*Pammene splendidulana* (Guenée, 1845)  
*Quercus* sp.: Patočka et al 1999  
*Pandemis cerasana* (Hübner, 1796)  
*Quercus petraea*: Cs.Gy.  
*Pandemis corylana* (Fabricius, 1794)  
*Quercus petraea*: Cs.Gy.  
*Pandemis heparana* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Paramesia gnomana* (Clerk, 1759)  
*Quercus* sp.: Patočka et al 1999  
*Pseudeulia asinana* (Hübner, 1799)  
*Quercus* sp.: Patočka et al 1999
- Ptycholoma lecheana* (Linnaeus, 1758)  
*Quercus petraea*: Cs.Gy.  
*Strophedra nitidana* (Fabricius, 1794)  
*Quercus* sp.: Patočka et al 1999  
*Spilonota ocellana* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999  
*Syndemis musculana* (Hübner, 1799)  
*Quercus* sp.: Patočka et al 1999  
*Tortricodes alternella* ([Denis – Schiffermüller], 1775)  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Sz.Cs.  
*Tortrix viridana* Linnaeus, 1758  
*Quercus frainetto*: Cs.Gy.  
*Quercus macranthera*: Cs.Gy.  
*Quercus petraea*: Szontagh 1973, Mészáros 1981, Cs.Gy., Sz.Cs.  
*Quercus pubescens*: Cs.Gy., Sz.Cs.  
*Quercus robur*: Cs.Gy.  
*Quercus* sp.: Mészáros, 1972, 1974  
*Zeiraphera isertana* (Fabricius, 1794)  
*Quercus petraea*: Cs.Gy.
- Ypsolophidae**  
*Ypsolopha alpella* ([Denis – Schiffermüller], 1775)  
*Quercus cerris*: Patočka et al 1999  
*Quercus petraea*: Cs.Gy.  
*Quercus pubescens*: Cs.Gy.  
*Quercus* sp.: Mészáros, 1972  
*Ypsolopha lucella* (Fabricius, 1775)  
*Quercus* sp.: Patočka et al 1999  
*Ypsolopha paranthessella* (Linnaeus, 1767)  
*Quercus petraea*: Patočka et al 1999  
*Ypsolopha sylvella* (Linnaeus, 1767)  
*Quercus petraea*: Cs.Gy.  
*Ypsolopha ustella* (Clerk, 1759)  
*Quercus petraea*: Sz.Cs.  
*Quercus pubescens*: Sz.Cs.
- Zygaenidae**  
*Rhagades pruni* ([Denis – Schiffermüller], 1775)  
*Quercus* sp.: Patočka et al 1999

#### 4 DISCUSSION

As can be seen in *Table 1*, 308 lepidopteran species belonging to 32 families are known to feed on oaks. In the case of 51.6 % (159 species) the authors present own original rearing data. Original Hungarian rearing data from literature are available for 30.2 % (93 species). In the case of 31.2% (96 species) records were obtained from foreign literature. Only one species of this 96 is covered by both Hungarian and foreign references. This is because the foreign reference records hostplants different from the one in the Hungarian reference. 69.2% of the 308 species (213 species) were put on the list based on original Hungarian data.

*Table 1. Distribution of the data in the checklist according to their origin (number of species by families and origin of the data)*

	Author's original data	Original Hungarian data	Foreign literature data	Total
<i>Arctiidae</i>	3	0	0	3
<i>Bucculatricidae</i>	0	1	0	1
<i>Chimabachidae</i>	1	0	0	1
<i>Coleophoridae</i>	1	5	0	6
<i>Cosmopterygidae</i>	0	0	1	1
<i>Cossidae</i>	2	0	0	2
<i>Drepanidae</i>	3	1	0	4
<i>Eriocraniidae</i>	0	0	1	1
<i>Gelechiidae</i>	2	0	6	8
<i>Geometridae</i>	30	5	28	63
<i>Gracillariidae</i>	5	14	0	16
<i>Heliozelidae</i>	0	1	0	1
<i>Incurvariidae</i>	0	1	0	1
<i>Lasiocampidae</i>	9	6	0	12
<i>Limacodidae</i>	1	0	1	2
<i>Lycaenidae</i>	2	1	0	2
<i>Lymantriidae</i>	9	8	0	11
<i>Nepticulidae</i>	2	17	3	21
<i>Noctuidae</i>	34	7	26	62
<i>Nolidae</i>	0	3	0	3
<i>Notodontidae</i>	13	4	0	15
<i>Oecophoridae</i>	1	0	0	1
<i>Pyralidae</i>	4	4	5	9
<i>Sessiidae</i>	2	0	2	4
<i>Sphingidae</i>	2	0	0	2
<i>Saturniidae</i>	3	1	0	3
<i>Thaumetopoeidae</i>	1	0	0	1
<i>Thyatiridae</i>	2	3	0	4
<i>Tischeriidae</i>	3	2	0	3
<i>Tortricidae</i>	20	7	17	39
<i>Ypsolophidae</i>	4	2	3	5
<i>Zygaenidae</i>	0	0	1	1
<b>TOTAL</b>	<b>159</b>	<b>93</b>	<b>96</b>	<b>308</b>

The numbers in the Total column do not necessary equal the sum of the numbers in the other 3 columns because some species can have data from more than one origin.

The presently listed species number exceeds the 292 species recorded by Csóka (1994, 1998) by 5.5% (16 species). In addition to the increase in the number of species, it is even more important that this list contains a much higher quantity of original rearing data. The information content and reliability of these data are much higher than in previous lists.

The 308 species is close to the 300 species (also including literature data) given by Patočka (1980), and significantly less than the 453 species given by Soria (1988) from Spain. But in case of the second reference the relative contributions of literature data and original data are not clear.

The main advantage of the original Hungarian data that in most case the exact species of hostplant is given, in contrast to foreign summarising works, which usually mention only *Quercus* as hostplant. This checklist gives considerable amount of data for the following 5 oak species. The numbers in brackets indicate the numbers given by Csóka (1994).

<i>Quercus cerris</i> :	65 (47)
<i>Quercus petraea</i> :	119 (67)
<i>Quercus pubescens</i> :	89 (45)
<i>Quercus robur</i> :	111 (68)
<i>Quercus rubra</i> :	16(6)

It means that during the last decade the number of species-level hostplant data has increased by more than 70 %.

**Acknowledgement:** The research on oak herbivore insects was supported by the OTKA T 034774 research grant.

## REFERENCES

- CSÓKA, Gy. (1991): Macrolepidoptera hernyók tölgy tápnövényeinek hazai adatai [Oak foodplant data of Macrolepidoptera in Hungary]. Erdészeti Kutatások 82-83: 89-93 (in Hungarian)
- CSÓKA, Gy. (1994): Adalékok a hazai *Quercus*-fajok herbivor rovar guild-jének ismeretéhez [Data to knowledge on herbivore insect guild of *Quercus* species in Hungary]. Szakdolgozat -ELTE TTK posztgraduális zoológus szak. (in Hungarian)
- CSÓKA, Gy. (1996): Herbivor rovarok fajgazdagsága erdei fákon [Richness of herbivore insects of different forest trees]. In: Mátyás Cs. (ed.): Erdészeti ökológia. Mezőgazda Kiadó, Budapest. 184-186 (in Hungarian)
- CSÓKA, Gy. (1998): A Magyarországon honos tölgyek herbivor rovaregyüttese [Herbivore insects of oaks native in Hungary]. Erdészeti Kutatások 88: 311-318.
- CSÓKA, Gy. – HIRKA A. (2002): Adatok a Magyarországon nem őshonos tölgyeken megtelepedő herbivor rovarok ismeretéhez [Data on insects colonising exotic oaks in Hungary]. Erdészeti Kutatások, 90: 195-204 (in Hungarian)
- EMMET, A.M ed (1988): A field guide to the smaller british lepidoptera. British Entomological & Natural History Society
- FAJČIK, J. – SLAMKA, F. (1966): Die Schmetterlinge Mitteleuropas I
- GASTON, K. J. (1992). Regional numbers of insect and plant species. Functional Ecology 6: 243-247.
- HERCZIG, B. – RONKAY, L. – SZABÓKY, Cs. (1980): Data to the knowledge of natural foodplants of Lepidopterous larvae in Hungary Folia Entomologica Hungarica 33: 67-73.
- KARBAN, R. – RICKLEFS, R. E. (1984): Leaf traits and the species richness and abundance of Lepidopteran larvae on deciduous trees in southern Ontario. OIKOS 43: 165-170.

- KARBAN, R. – RICKLES, R.E. (1983): Host characteristics, sampling intensity, and species richness of lepidoptera larvae on broad-leaved trees in Southern Ontario. *Ecology* 64(4): 636-641.
- KENNEDY, J., E. C - SOUTHWOOD, R, T. (1984): The number of species of insects associated with British trees: a re-analysis. *Journal of Animal Ecology* 53: 455-478.
- KOCH, M. (1988): *Wir bestimmen Schmetterling*. Neumann Verlag
- LAŠTŮVKA, Z. – LAŠTŮVKA, A. (2001): *The Sessiidae of Europe*. Apollo Books, Stenstrup
- LEATHER, S.R. (1986). "Insect species richness of the british rosaceae: the importance of host range, plant architecture, age of establishment, taxonomic isolation and species-area relationships. *Journal of Animal Ecology* 55: 841-860.
- MÉSZÁROS, Z. (1969): Adatok a lepkehernyók természetes tápnövényeihez, különös tekintettel a lucernára (Data to the knowledge of natural foodplants of Lepidopterous larvae in Hungary with special regards to alfalfa ]. *Folia Entomologica Hungarica* 22: 365-369 (in Hungarian)
- MÉSZÁROS, Z. (1972): Adatok a magyarországi lepkehernyók természetes tápnövényeihez (Lep.) II. [Data to the natural foodplants of Lepidopterous larvae in Hungary (Lep. II.)]. *Folia Entomologica Hungarica* 25: 473-480 (in Hungarian)
- MÉSZÁROS, Z. (1974): Adatok a magyarországi lepkehernyók természetes tápnövényeihez (Lepidoptera) III. [Data to the knowledge of natural foodplants of Lepidopterous larvae in Hungary (Lepidoptera) III]. *Folia Entomologica Hungarica* 27: 113-117 (in Hungarian)
- MÉSZÁROS, Z. (1981): Data to the knowledge of natural foodplants of lepidopterous larvae with special regard to the apple. *Folia Entomologica Hungarica* 42: 139-143.
- NEUVONEN, S. – NIEMELÄ, P. (1981):. Species richness of macrolepidoptera on Finnish deciduous trees and shrubs. *Oecologia* 51: 364-370
- NEUVONEN, S. – NIEMELÄ, P. (1983): Species richness and faunal similarity of arboreal insect herbivores. *OIKOS* 40: 452-459.
- NIKLOS, K. (1917): A *Phycis tumidella* (Zk.) károsítása a csertölgyön [Damage caused by *Phycis tumidella* (Zk.) on turkey oak]. *Erdészeti Lapok* 56: 349-350 (in Hungarian)
- PATOČKA, J. (1980): *Die Raupen und Puppen der Eichenschmetterlinge Mitteleuropas*. Monographs to *Journal of Applied Entomology*. Verlag Paul Parey
- PATOČKA, J. – KRIŠTIN A. – KULFAN J. - ZACH, P. (1999): *Die Eichenschädlinge und ihre Feinde*. Intitut für Waldökologie der Slowakischen Akademie der Wissenschaften, Zvolen
- SORIA, S. (1988): *Boletín Sanidad Veget. Plagas* 14: 1-26.
- STRONG, D.R.J. – LEVIN, D.A. (1979): Species richness of plant parasites and growth form oh their hosts. *The American Naturalist* 114(1): 1-22.
- STUBNYA, V. (1955): Az *Acrobasis (Phycis) consociella* Hbn. (Lep. Pyral.) károsítása csereseinkben [Damage caused by *Acrobasis (Phycis) consociella* Hbn. (Lep. Pyral.) in turkey oak stands]. *Erdőmérnöki Főiskola Közleményei* 149-155 (in Hungarian)
- SZABÓKY, CS. (2002): Molyfaunisztikai újdonságok VI. [New data for the Hungarian Microlepidopteran fauna VI.] *Folia Entomologica Hungarica* 63: 197-200 (in Hungarian)
- SZENTKIRÁLYI, F. – KOZÁR, F. (1991). How many species are there in apple insect communities?: testing the resource diversity and intermediate disturbance hypotheses. *Ecological Entomology* 16: 491-503.
- SZEŐKE, K. (1982): Data to the foodplants of lepidopterous larvae in Hungary. *Folia Entomologica Hungarica* 43 (1): 169-173.
- SZŐCS, J.(1963): A lepkehernyók természetes tápnövényei [Natural foodplants of lepidopterous larvae]. *Folia Entomologica Hungarica* 16: 83-120 (in Hungarian)
- SZŐCS, J. (1971): A lepkehernyók természetes tápnövényei II [Natural foodplants of lepidopterous larvae II.]. *Folia Entomologica Hungarica* 24: 443-463 (in Hungarian)
- SZŐCS, J. (1977): A lepkehernyók természetes tápnövényei III. [Natural foodplants of lepidopterous larvae III]. *Folia Entomologica Hungarica* 30: 143-150 (in Hungarian)
- TALLÓS, P. (1961): Hazai nagylepkek hernyóinak természetes tápnövényei. [Natural foodplants of the Macrolepidopteran larvae in Hungary]. *Folia Entomologica Hungarica* 14: 413-422 (in Hungarian)