

**NEW AND RARE SPECIES OF LEPIDOPTERA IN LITHUANIA,
REPORT OF 2024***POVILAS IVINSKIS¹, JOLANTA RIMŠAITĖ²*¹Nature Research centre, Akademijos 2, Vilnius Lithuania, E-mail: entlab@gmail.com,²V. Druskio 1, Vilnius, Lithuania**Introduction**

New data on Lepidoptera found during the research in 2024 in Lithuania is presented. New faunistic data and data on one species new for Lithuanian fauna, as well as some rare species and species included in the Red data book, are presented in this paper.

Material and Methods

The main data was collected during field investigations in 2024 by the authors and some species by V. Beitienė (V.B.), I Geištoraitienė (I.G.), K. Klovaitė (K.K.), J. Sendžikaitė (J.S.), G. Smailytė (G.S.). Different entomological methods were used for collecting the specimens: light trapping with a screen (160W mixed light lamp), automatic traps with 300W solar-type lamps and UV strips, plant mine collecting, and sweeping with nets. The material was identified using identification guides: Bengtsson *et al.* (2008), Bengtsson & Johansson (2011), Aarvik *et al.* (2009). Data on distribution and faunistics follow Aarvik *et al.* (2017, 2021) and Ivinskis & Rimšaitė (2018). Taxonomical treatment and distribution follow the Fauna Europaea database (Karsholt & Nieuwerkerken, 2013) and Aarvik *et al.* (2017). The specimens are deposited in the authors' collection. Species new to Lithuanian fauna are marked in the text with an asterisk (*).

List of localities

Locality	Administrative district	Coordinates (LAT, LONG)
Biržija	Švenčionys distr.	55.27207, 26.14871
Bobėnai	Ignalina distr.	55.28015, 26.64366
Būtingė	Palanga mun.	56.05954, 21.06995
Ginučiai	Ignalina distr.	55.37260, 26.00128
Gvazdikai	Vilnius mun.	54.74997, 25.37807
Juodšiliai	Vilnius distr.	54.58068, 25.25838
Kairėnai	Vilnius mun.	54.73864, 25.39476
Kalitonys	Šalčininkai distr.	54.30240, 25.14586
Kalniškės	Vilnius distr.	54.84681, 25.17739
Kapiniškių miškas f.	Varėna distr.	54.03842, 24.27931
Karoliniškės	Vilnius mun.	54.69078, 25.20608
Kybartai	Vilkaviškis distr.	54.64763, 22.77252
Merkinė	Varėna distr.	54.15019, 24.16112
Miškas Degsnės f.	Prienai distr.	54.56799, 23.87433
Miškas Dukstyna f.	Ukmergė distr.	55.27957, 24.85081

Naujieji Verkiai	Vilnius mun.	54.78737, 25.31830
Perloja	Varėna distr.	54.20778, 24.37556
Rokantiškės cemetery	Vilnius mun.	54.70438, 25.35739
Žygaičiai	Tauragė distr.	55.31322, 22.02646

List of species

NEPTICULIDAE

***Stigmella freyella* (Heyden, 1858)**

Būtingė, 14 09 2024, four leaves of *Rumex* with mines.

TISCHERIIDAE

***Captotriche heinemanni* (Wocke, 1871)**

Miškas Dukstyna f., 14 08 2024, some mines on *Rubus caesius* leaves.

***Tischeria dodenea* Stainton, 1858**

Gvazdikai, 10 2024, numerous mines on *Quercus robur* trees; Kalniškės, 10 2024, single mines on *Quercus robur*.

GRACILLARIIDAE

***Caloptilia fidella* (Reutti, 1853)**

Kairėnai, 03 08 2024, 3 primary mines on *Humulus* leaves.

***Caloptilia hemidactylella* (Denis & Schiffermüller, 1775)**

Kalniškės, 25 09 2024, 1 spec.

***Parectopa ononidis* (Zeller, 1839)**

Ginučiai, 15 07 2024, 3 spec.; Kalniškės, 17 07 2024, 1 spec.

YPONOMEUTIDAE

***Yponomeuta sedella* Treitschke, 1832)**

Kalniškės, 29 08 2024, 1 spec.

ARGYRESTHIIDAE

***Argyresthia trifasciata* (Staudinger, 1871) (Fig.1)**

Kalniškės, 21 05 2024, 5 spec. on *Juniperus*.

PLUTELLIDAE

***Rhigognostis hufnagelii* (Zeller, 1839)**

Kalniškės, 13 09 2024, 1 spec.,

BEDELLIIDAE

***Bedellia somnulentella* (Zeller, 1847)**

Kalniškės, 23 08 2024, 1 spec., 24 08 2024, 3 spec., 25 08 2024, 1 spec., 27 08 2024, 2 spec., 28 08 2024, 1 spec., 29 08 2024, 1 spec., 30 08 2024, 1 spec., 08 09 2024, 1 spec., 09 09 2024, 4 spec., 10 09 2024, 1 spec., 11 09 2024, 1 spec., 13 09 2024, 1 spec., 15 09 2024, 1 spec., 16 09 2024, 1 spec.

TORTRICIDAE

***Pandemis dumetana* (Treitschke, 1835)**

Bobėnai, 27 07 2024, 3 spec.; Būtingė, 22 07 2024, 2 spec., 14 09 2024, 2 spec.; Ginučiai, 15 07 2024, 1 spec.; Kalniškės, 24 07 2024, 3 spec., 10 09 2024, 2 spec., 13 09 2024, 1 spec., 17 09 2024 1 spec., 18 09 2024, 2 spec.

***Dichelia histrionana* (Frölich, 1828)**

Kalniškės, 11 09 2024, 1 spec.

***Ancylis achatana* (Denis & Schiffermüller, 1775)**

Kalniškės, 23 06 2024, 1 spec.; Karoliniškės, 16 06 2024, 1 spec.

***Grapholita lobarzewskii* (Nowicki, 1860)**

Kalniškės, 02 09 2024, 1 spec.

CHOREUTIDAE

***Tebenna bjerkandrella* (Thunberg, 1784)**

Ginučiai, 15 07 2024, 2 spec.

COSSIDAE

***Acosus terebra* (Denis & Schiffermüller, 1775)**

Kalniškės, 29 06 2024, 1 spec.; Ginučiai, 15 07 2024, 1 spec.

AUTOSTICHIDAE

***Oegoconia deauratella* (Herrich-Schäffer, 1854)**

Gvazdikai, 20 07 2024, 1 spec.

OECOPHORIDAE

***Harpella forficella* (Scopoli, 1763)**

Ginučiai, 28 06 2024, 1 spec.; Kapiniškių miškas f. 03 08 2024, 1 spec.; Miškas
Degsnės f., 01 08 2024, 1 spec.

DEPRESSARIIDAE

***Hypercallia citrinalis* (Scopoli, 1763)**

Ginučiai, 28 06 2024, 2 spec.; Kalniškės, 24 07 2024, 2 spec.

***Exaeretia allisella* Stainton, 1849**

Ginučiai, 28 06 2024, 1 spec.,

GELECHIIDAE

***Dichomeris rasilella* (Herrich-Schäffer, 1854)**

Ginučiai, 28 06 2024, 1 spec.; Kalniškės, 02 09 2024, 1 spec.

***Apodia bifractella* (Duponchel, 1843)**

Ginučiai, 15 07 2024, 5 spec.

***Gelechia sestertiella* Herrich-Schäffer, 1854**

Karoliniškės, 18 06 2024, 1 spec.

***Coleotechnites piceaella* (Kearfot, 1903)**

Kalniškės, 08 09 2024, 1 ♀ laying eggs on *Juniperus* branches, 06 09 2024, 1 spec.

COLEOPHORIDAE

***Coleophora saponariella* Heeger, 1848**

Būtingė, 14 09 2024, abundant mines and cases on *Sapponaria*; Miškas Dukstyna f.,
14 08 2024, numerous mines and cases on *Sapponaria*.

***Coleophora spiraeella* Rebel, 1916**

Karoliniškės, 07 08 2024, few mines on *Spiraea* bushes.

SCYTHRIDIDAE

***Scythris sinensis* (Felder & Rogenhofer, 1875)**

Kalniškės, 30 05 2024, 1 spec.

PAPILIONIDAE

***Parnassius mnemosyne* (Linnaeus, 1758)**

Kalitonys, 25 05-15 06 2024, Šalčia river slopes, about 10 spec. (G.S., K.K.).

***Papilio machaon* Linnaeus, 1758**

Gvazdikai, 09 08 2024, 1 spec.

NYMPHALIDAE

***Melitaea diamina* (Lang, 1789)**

Naujieji Verkiai meadow, 26 06 2024, 1 spec.

LYCAENIDAE

***Lysandra coridon* (Poda, 1761)**

Merkinė, 16 08 2024, 1 spec.

***Lycaena dispar* (Haworth, 1802)**

Kairėnai, 03 08 2024, 2 ♂.

***Satyrium pruni* Linnaeus, 1758)**

Kairėnai, 12 06 2024, 1 spec.

PYRALIDAE

***Galleria mellonella* (Linnaeus, 1758)**

Ginučiai, 15 07 2024, 1 spec.; Kalniškės, 19 08 2024, 1 spec., 20 08 2024, 2 spec., 04 09 2024, 1 spec., 10 09 2024, 1 spec.

***Achroia grisella* (Fabricius, 1794)**

Kalniškės, 29 08 2024, 1 spec., 11 09 2024, 1 spec.

***Selagia argyrella* (Denis & Schiffermüller, 1775)**

Būtingė, 22 07 2024, 2 spec.

***Nephoterix angustella* (Hübner, 1796)**

Kalniškės, 23 08 2024, 1 spec., 24 08 2024, 1 spec., 27 08 2024, 1 spec., 29 08 2024, 1 spec.

***Pyralis regalis* (Denis & Schiffermüller, 1775)**

Būtingė, 22 07 2024, 1 spec.; Ginučiai, 15 07 2024, 1 spec.; Kalniškės, 17 07 2024, 1 spec.

***Endotricha flammealis* (Denis & Schiffermüller, 1775)**

Kalniškės, 27 09 2024, 1 spec.

CRAMBIDAE

***Sclerocona acutella* (Eversmann, 1852)**

Kalniškės, 08 06 2024, 1 spec.

***Cydalima perspectalis* (Walker, 1859)**

Gvazdikai, 08 09 2024, 1 spec.; Juodšiliai, 31 07 2024, larvae on more than 20 *Buxus* (J.M.); Kalniškės, 29 08 2024, 1 spec., 30 08 2024, 3 spec., 31 08 2024, 1 spec., 02 09 2024, 4 spec., 03 09 2024, 2 spec., 04 09 2024, 2 spec., 05 09 2024, 2 spec., 06 09 2024, 1 spec., 10 09 2024, 3 spec., 11 09 2024, 2 spec., 27 09 2024, 3 spec.; Rokantiškės cemetery, 20 10 2024, about ten boxwood (*Buxus sp.*) bushes damaged by larvae.

***Euchromius ocella* (Haworth, 1811)**

Kalniškės, 03 09 2024, 4 spec., 04 09 2024, 5 spec., 05 09 2024, 6 spec., 06 09 2024, 9 spec., 07 09 2024, 9 spec., 08 09 2024, 12 spec., 10 09 2024, 13 spec., 11 09 2024, 4 spec., 13 09 2024, 3 spec., 15 09 2024, 1 spec., 16 09 2024, 1 spec., 17 09 2024, 1 spec., 26 09 2024, 3 spec., 27 09 2024, 1 spec.

***Loxostege sticticalis* (Linnaeus, 1761)**

Ginučiai, 18 08 2024, 1 spec.; Kalniškės, 29 08 2024, 1 spec.

***Ostrinia nubilalis* (Hübner, 1796)**

Būtingė, 14 09 2024, 2 spec.; Kalniškės, 01 06 2024, 1 spec., 05 06 2024, 1 spec., 08 06 2024, 1 spec., 20 06 2024, 1 spec., 15 08 2024, 1 spec., Merkinė, 16 08 2024, 1 spec.

***Nomophila noctuella* (Denis & Schiffermüller, 1775)**

Bobėnai, 27 07 2024, 1 spec.; Gvazdikai, 24 08 2023, 1 spec.; Kalniškės, 13 08 2024, 1 spec., 23 08 2024, 1 spec., 24 08 2024, 1 spec., 29 08 2024, 2 spec., 30 08 2024, 1 spec., 02 09 2024, 1 spec., 03 09 2024, 3 spec., 05 09 2024, 3 spec., 06 09 2024, 1

spec., 07 09 2024, 1 spec. 08 09 2024, 1 spec., 10 09 2024, 1 spec., 13 09 2024, 3 spec.,
17 09 2024, 1 spec., 05 10 2024, 1 spec.

***Palpita vitrealis* (Rossi, 1794)**

Kalniškės, 03 09 2024, 1 spec.

***Anania perlucidalis* (Hübner, 1809)**

Kalniškės, 29 08 2024, 1 spec.

***Cynaeda dentalis* (Denis & Schiffermüller, 1775)**

Būtingė, 22 07 2024, 3 spec.; Kalniškės, 30 08 2024, 1 spec.

DREPANIDAE

***Watsonalla binaria* (Hufnagel, 1767)**

Ginučiai, 18 08 2024, 4 spec.; Kalniškės, 17 07 2024, 1 spec., 24 07 2024, 2 spec., 12
08 2024, 1 spec., 15 08 2024, 4 spec., 19 08 2024, 1 spec., 20 08 2024, 3 spec., 24 08
2024, 1 spec., 26 08 2024, 1 spec., 29 08 2024, 3 spec.; Miškas Degsnės f., 01 08 2024,
1 spec.

***Sabra harpagula* (Esper, 1786)**

Miškas Degsnės f., 01 08 2024, 2 spec.

GEOMETRIDAE

***Cyclophora quercimontaria* (Bastelberger, 1897)**

Miškas Degsnės f., 01 08 2024, 2 spec.

***Idaea ochrata* (Scopoli, 1763)**

Būtingė, 22 07 2024, 7 spec.; Ginučiai, 28 06 2024, 1 spec.,

***Scopula ornata* (Scopoli, 1763)**

Kalniškės, 09 08 2024, 1 spec.

***Orthonama obstipata* (Fabricius, 1794)**

Kalniškės, 10 09 2024, 1 spec.

***Euphyia unangulata* (Haworth, 1809)**

Būtingė, 22 07 2024, 15 spec.

***Eulithis pyropata* (Hübner, 1809)**

Kalniškės, 22 06 2024, 1 spec., 23 06 2024, 1 spec., 29 06 2024, 1 spec.

***Pareulype berberata* (Denis & Schiffermüller, 1775)**

Gvazdikai, 16 07 2024, 1 spec.

***Eupithecia venosata* (Fabricius, 1787)**

Kalniškės, 23 06 2024, 1 spec.

***Lomaspilis opis* Butler, 1878**

Kalniškės, 01 06 2024, 2 spec., 08 06 2024, 2 spec.

***Isturgia arenacearia* (Denis & Schiffermüller, 1775)**

Kalniškės 26 08 2024, 1 spec., 03 09 2024 1 spec.

***Ascotis selenaria* (Denis & Schiffermüller, 1775)**

Kalniškės, 28 08 2024, 1 spec.

***Agriopis aurantiaria* (Hübner, 1799)**

Kalniškės, 24–25 10 2024, 3 spec., 26–30 10 2024, 4 spec.

***Peribatodes rhomboidaria* (Denis & Schiffermüller, 1775)**

Kalniškės, 11 09 2024, 1 spec.

***Peribatodes secundaria* (Denis & Schiffermüller, 1775)**

Kalniškės, 11 09 2024, 1 spec., 25 09 2024, 1 spec., 26 09 2024, 1 spec., 27 09 2024,
1 spec.

***Cleorodes lichenaria* (Hufnagel, 1767)**

Kalniškės, 13 09 2024, 1 spec.

LASIOCAMPIDAE

***Lasiocampa trifolii* (Denis & Schiffermüller, 1775)**

Merkinė, 16 08 2024, 1 spec.

***Cosmotriche lobulina* (Denis & Schiffermüller, 1775)**

Būtingė, 22 07 2024, 1 spec.

***Gastropacha quercifolia* (Linnaeus, 1758)**

Kalniškės, 22 06 2024, 1 spec.

***Odonestis pruni* (Linnaeus, 1758)**

Ginučiai, 18 08 2024, 1 spec.; Kalniškės, 14 06 2024, 1 spec., 24 08 2024, 1 spec., 25 08 2024, 1 spec., 26 08 2024, 1 spec.

SPHINGIDAE

***Amorpha amurensis* (Fischer von Waldheim, 1830)**

Gvazdikai, 16 07 2024, 1 spec.

***Agrius convolvuli* (Linnaeus, 1758)**

Kalniškės, 30 08 2024, 1 spec., 04 09 2024, 2 spec., 07 09 2024, 2 spec., 08 09 2024, 1 spec., 09 09 2024, 1 spec.; Kybartai, 14 09 2024, 1 spec. (I.G.).

***Acherontia atropos* (Linnaeus, 1758)**

Žygičiai, 08 2024 1 larva in potato field (V.B.).

NOTODONTIDAE

***Stauropus fagi* (Linnaeus, 1758)**

Kalniškės, 22 06 2024, 1 spec., 17 06 2024, 1 spec.; Perloja, 19 07 2024, 1 spec.

***Drymonia ruficornis* (Hufnagel, 1766)**

Kalniškės, 01 06 2024, 2 spec.

***Notodonta torva* (Hübner, 1803)**

Kalniškės, 20 08 2024, 1 spec., 21 08 2024, 1 spec., 23 08 2024, 1 spec.

***Notodonta tritophus* (Denis & Schiffermüller, 1775)**

Būtingė, 22 07 2024, 1 spec.; Kalniškės, 24 07 2024, 2 spec.

EREBIDAE

***Arctornis l-nigrum* (Müller, 1764)**

Ginučiai, 28 06 2024, 1 spec., 18 08 2024, 1 spec.; Miškas Dukstyna f., 14 08 2024, 2 spec.; Kalniškės, 09 08 2024, 1 spec.

***Calliteara abietis* (Denis & Schiffermüller, 1775)**

Kalniškės, 19 08 2024, 1 spec., 23 08 2024, 1 spec., 24 08 2024, 1 spec., 29 08 2024, 1 spec., 30 08 2024, 2 spec., 01 09 2024, 4 spec.; Merkinė, 16 08 2024, 1 spec.

***Laelia coenosa* (Hübner, 1808)**

Kalniškės, 06 08 2023, 1 spec.

***Pelosia obtusa* (Herrich-Schaffer, 1847)**

Būtingė, 22 07 2024, 1 spec.; Ginučiai, 15 07 2024, 1 spec.; Kalniškės, 13 07 2024, 1 spec., 17 07 2024, 1 spec., 24 07 2024, 1 spec., 11 09 2024, 1 spec.

***Lymantria dispar* (Linnaeus, 1758)**

Būtingė, 22 07 2024, 4 spec.; Ginučiai, 28 06 2024, 1♂.

***Setina irrorella* (Linnaeus, 1758)**

Perloja, 19 07 2024, 1 spec.

***Coscinia cribraria* (Linnaeus, 1758)**

Būtingė, 22 07 2024, 1 spec.

***Catocala electa* (Vieweg, 1790)**

Kalniškės, 22 08 2024, 1 spec.

***Catocala sponsa* (Linnaeus, 1767)**

Ginučiai, 28 06 2024, 1 spec.

NOCTUIDAE

***Lamprotes c-aureum* (Knoch, 1781)**

Ginučiai, 18 08 2024, 1 spec.

***Autographa mandarina* (Freyer, 1845)**

Kalniškės, 01 09 2024, 1 spec., 06 09 2024, 1 spec., 07 09 2024, 1 spec., 08 09 2024, 1 spec.

***Syngrapha interrogationis* (Linnæus, 1758)**

Būtingė, 22 07 2024, 1 spec.; Miškas Degsnės f., 01 08 2024, 1 spec.

***Cucullia absinthii* (Linnaeus, 1761)**

Būtingė, 22 07 2024, 1 spec.

***Amphipyra livida* (Denis & Schiffermüller, 1775)**

Kalniškės, 10 09 2024, 1 spec., 19 09 2024, 1 spec., 25 09 2024, 1 spec.

***Allophyes oxyacanthæ* (Linnaeus, 1758)**

Būtingė, 14 09 2024, 1 spec., 14 09–13 10 2024, 1 spec. (in wine trap); Kalniškės, 03 09 2024, 1 spec., 08 09 2024, 1 spec.

***Acronycta leporina* (Linnaeus, 1758)**

Būtingė, 22 07 2024, 1 spec.; Ginučiai, 28 06 2024, 3 spec.; Kalniškės, 09 08 2024, 1 spec.

***Eucarta virgo* (Treitschke, 1835)**

Būtingė, 22 07 2024, 10 spec., 14 09 2024, 2 spec.; Ginučiai, 28 06 2024, 1 spec., 18 08 2024, 3 spec.; Kalniškės, 17 07 2024, 1 spec., 24 07 2024, 1 spec., 10 08 2024, 1 spec., 20 08 2024, 1 spec., 21 08 2024, 1 spec., 22 08 2024, 1 spec., 24 08 2024, 3 spec., 29 08 2024, 9 spec., 30 08 2024, 3 spec., 31 08 2024, 1 spec., 01 09 2024, 1 spec., 02 09 2024, 2 spec., 03 09 2024, 2 spec., 04 09 2024, 1 spec., 05 09 2024, 1 spec., 09 09 2024, 1 spec., 11 09 2024, 2 spec., 12 09 2024, 1 spec., 13 09 2024, 3 spec., 26 09 2024, 1 spec.

***Helicoverpa armigera* (Hübner, 1808)**

Būtingė, 14 09 2014, 14 spec.; Kalniškės, 03 09 2024, 3 spec., 05 09 2024, 2 spec., 06 09 2024, 3 spec., 07 09 2024, 2 spec., 08 09 2024, 4 spec., 09 09 2024, 1 spec., 10 09 2024, 1 spec., 11 09 2024, 2 spec., 13 09 2024, 1 spec., 26 09 2024, 2 spec., 28 09 2024, 2 spec., 27 09 2024, 1 spec., 29 09 2024, 1 spec., 05 09 2024, 1 spec.

***Callopietria juvenina* (Stoll, 1782)**

Būtingė, 22 07 2024, 1 spec.

***Spodoptera exigua* (Hübner, 1808)**

Būtingė, 14 09 2024, 6 spec.; Kalniškės, 02 09 2024, 1 spec., 03 09 2024, 2 spec., 04 09 2024, 6 spec., 05 09 2024, 1 spec., 06 09 2024, 8 spec., 07 09 2024, 1 spec., 08 09 2024, 2 spec., 09 09 2024, 1 spec., 13 09 2024, 3 spec., 15 09 2024, 3 spec., 18 09 2024, 5 spec.

***Hoplodrina ambigua* (Denis & Schiffermüller, 1775)**

Kalniškės, 26 09 2024, 6 spec., 27 09 2024, 3 spec., 28 09 2024, 4 spec., 30 09 2024, 1 spec., 05 10 2024, 1 spec., 10 10 2024, 6 spec., 24–25 10 2024, 16 spec., 26–30 10 2024, 19 spec.

***Chilodes maritima* (Tauscher, 1806)**

Būtingė, 22 07 2024, 3 spec.; Ginučiai, 18 08 2024, 1 spec.; Kalniškės, 24 07 2024, 1 spec.

***Proxenus lepigone* (Möschler, 1860)**

Kalniškės, 03 09 2024, 1 spec.

***Phlogophora meticulosa* (Linnaeus, 1758)**

Būtingė, 14 09 2024, 1 spec., 14 09–13 10 2024, 3 spec. (wine trap); Kalniškės, 07 08 2024, 1 spec., 15 08 2024, 3 spec., 30 08 2024, 1 spec., 03 09 2024, 1 spec., 05 10 2024, 1 spec., 11 10 2024, 1 spec.

***Calamia tridens* (Hufnagel, 1766)**

Perloja, 19 07 2024, 2 spec.

***Crypsedra gemmea* (Treitschke, 1825)**

Būtingė, 22 07 2024, 1 spec.

***Rhizedra lutosa* (Hübner, 1803)**

Būtingė, 14 09 2024, 2 spec.; Kalniškės, 05 09 2024, 1 spec., 06 09 2024, 1 spec., 10 09 2024, 1 spec., 11 09 2024 1 spec., 13 09 2024, 1 spec., 17 09 2024, 1 spec., 20 09 2024, 2 spec., 21 09 2024, 1 spec., 25 09 2024, 4 spec., 26 09 2024, 1 spec., 27 09 2024, 5 spec., 28 09 2024, 5 spec., 29 09 2024, 3 spec. 05 10 2024, 2 spec. 10 10 2024, 3 spec., 22 10 2024, 2 spec., 23 10 2024, 1 spec., 24–25 10 2024, 6 spec., 26–30 10 2024, 11 spec.

***Sedina buettneri* (E. Hering, 1858)**

Kalniškės, 10 09 2024, 1 spec.

***Arenostola phragmitidis* (Hübner, 1803)**

Bobėnai, 27 07 2024, 1 spec.

***Apamea lithoxylaea* (Denis & Schiffermüller, 1775)**

Kalniškės, 13 07 2024, 1 spec.

***Xylomoia graminea* (Graeser, 1889)**

Kalniškės, 01 06 2024, 1 spec.

***Brachylomia viminalis* (Fabricius, 1776)**

Ginučiai, 15 07 2024, 2 spec.; Kalniškės, 22 06 2024, 1 spec., 29 06 2024, 1 spec.

***Tiliacea citrigo* (Linnaeus, 1758)**

Kalniškės, 29 08 2024, 1 spec., 06 09 2024, 1 spec.

***Agrochola macilenta* (Hübner, 1809)**

Kalniškės, 26–30 10 2024, 5 spec.

***Conistra rubiginea* (Denis & Schiffermüller, 1775)**

Kalniškės, 11 09 2024, 1 spec.

***Lithophane socia* (Hufnagel, 1766)**

Kalniškės, 04 09 2024, 1 spec.

***Lithophane ornitopus* (Hufnagel, 1766)**

Kalniškės, 18 09 2024, 1 spec.

***Xylena solidaginis* (Hübner, 1803)**

Kalniškės, 21 08 2024, 1 spec.

***Griphosia aprilina* (Linnaeus, 1758)**

Būtingė, 14 09–13 10 2024, 2 spec. (in wine trap); Kalniškės, 05 09 2024, 1 spec., 26–30 10 2024, 1 spec.

***Dryobotodes eremita* (Fabricius, 1775)**

Kalniškės, 05 09 2024, 1 spec., 06 09 2024, 1 spec., 10 09 2024, 1 spec., 05 10 09

2024, 1 spec.

***Aporophyla lueneburgensis* (Freyer, 1848)**

Kalniškės, 07 09 2024, 1 spec.

***Hyssia cavernosa* (Eversmann, 1842)**

Kalniškės, 24 08 2024, 1 spec.

***Hecatera bicolorata* (Hufnagel, 1766)**

Kalniškės, 30 08 2024 1 spec.

***Hadena confusa* (Hufnagel, 1766)**

Kalniškės, 29 06 2024, 1 spec., 29 06 2023, 1 spec.

***Mythimna albipuncta* (Denis & Schiffermüller, 1775)**

Biržija, 08 08 2024, meadow, 1 spec.; Būtingė, 14 09 2024, 1 spec., 14 09–13 10 2024 2 spec. (in wine trap); Kalniškės, 07 08 2024, 1 spec., 10 08 2024, 3 spec., 12 08 2024, 2 spec., 13 08 2024, 2 spec., 27 09 2024, 6 spec., 23 10 2024, 1 spec., 24–25 10 2024, 3 spec., 26–30 10 2024, 2 spec.; Merkinė, 16 08 2024, 1 spec.; Miškas Degsnės f., 01 08 2024, 1 spec.; Miškas Dukstyna f., 14 08 2024, 1 spec.

***Mythimna l-album* (Linnaeus, 1767)**

Būtingė, 14 09 2024, 1 spec.; Ginučiai, 28 06 2024, 1 spec., Gvazdikai, 01 09 2024, 1 spec., 04 09 2024, 1 spec., 09 09 2024, 1 spec., Kalniškės, 09 08 2024, 1 spec., 15 08 2024, 2 spec., 23 08 2024, 1 spec., 30 08 2024, 2 spec., 02 09 2024, 2 spec., 03 09 2024, 1 spec. 06 09 2024, 1 spec., 10 09 2024, 1 spec., 11 09 2024, 1 spec., 13 09 2024, 2 spec.

****Mythimna vitellina* (Hübner, 1808)**

Kalniškės, 08 09 2024, 1 spec. (fig. 1)



Fig. 1. *Mythimna vitellina*

***Agrotis ipsilon* (Hufnagel, 1766)**

Būtingė, 14 09–13 10 2024, 1 spec. (wine trap).

***Agrotis segetum* (Denis & Schiffermüller, 1775)**

Kalniškės, 26–30 10 2024, 1 spec.

***Noctua comes* Hübner, 1813**

Būtingė, 22 07 2024, 05 spec., 14 09–13 10 2024, 1 spec. (in wine trap); Kalniškės, 27 08 2024, 1 spec.

***Noctua interjecta* Hübner, 1803**

Būtingė, 22 07 2024, 11 spec.

***Noctua interposita* (Hübner, 1790)**

Kalniškės, 27 08 2024, 3 spec.; Merkinė, 16 08 2024, 1 spec.

***Noctua janthe* (Borkhausen, 1792)**

Būtingė, 22 07 2024, 1 spec.

***Noctua orbona* (Hufnagel, 1766)**

Kalniškės, 07 08 2024, 1 spec.

NOLIDAE

***Bena bicolorana* (Fuessly, 1775)**

Kalniškės, 03 09 2024, 1 spec., 11 09 2024, 1 spec.

Discussion

One species of Lepidoptera – *Mythimna vitellina* – was registered in Lithuania for the first time and is presented in this report.

Mythimna vitellina was found for the first time near Vilnius in a meadow habitat. *Mythimna vitellina* is known as a migrant. It is mainly distributed throughout southern Europe and the southern part of eastern Europe. It is also found in northern Europe, North Africa, the Near East and Middle East, Central Asia, and western China (GBIF.org, 2024). The first record of this species in Latvia was documented in 2023 (N. Savenkov *pers. com.*), but the species was well known in Estonia (Õunap et.al., 2002). The larva of *Mythimna vitellina* feeds on various grasses.

For many moth species listed here, new distribution data are presented. There is new distribution data for moth species such as *Nephopteryx angutella*, *Idaea ochrata*, *Noctua interjecta* and many others. These moths are not uncommon in suitable places. The moths of the species *Idaea ochrata*, *Isturgia arenacearia*, and *Peribatodes secundaria* seem to be spreading in Lithuania. *Papilio machaon*, *Lysandra coridon*, *Lycaena dispar*, and *Melitaea diamina* are protected species and are included in the Lithuanian Red Data Book (Rašomavičius, 2021). In 2024, a big migration of *Euchromius ocella*, *Agrius convolvuli*, *Spodoptera exigua*, *Helicoverpa armigera*, *Mythimna albipuncta*, *Mythimna l-album*, was observed.

New data on alien moths *Cydalima perspectalis* are given in this paper. In some localities, this species changes ornamental plant composition. *Buxus* bushes were widely planted in Lithuania as an ornamental plant in cemeteries and gardens. In 2024 *Buxus* bushes were removed from Romainiai cemetery (authors observation) as well as in some Buivydiškės private house properties (J.S. *pers. com.*) after the moth caterpillars had caused massive damage (Ivinskis, Rimšaitė, 2021). We observed new damage to *Buxus* in Rokantiškės cemetery, in Gvazdikai gardens, in Juodšiliai (J.M. *pers. com.*), as well as some localities in Vilnius centre. The caterpillars usually start using side branches close to the ground. People often notice the damaged bushes when it is too late, the damage is extensive, and it isn't easy to save the plant.

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Nauji duomenys apie retas ir naujas Lietuvos faunai drugių rūšis, 2024 metų pranešimas

P. IVINSKIS, J. RIMŠAITĖ

Santrauka

Straipsnyje pateikiami duomenys apie 1 naują pelėdgalvių rūšį - *Mythimna vitellina* – ir eilę retų Lietuvos faunai drugių rūšių.

Rasti drugiai *Papilio machaon*, *Lysandra coridon*, *Lycaena dispar*, *Melitaea diamina*. priklauso rūšims įrašytoms į Lietuvos saugomų rūšių sąrašą. *Nephopterix angustella*, *Sclerocona acutella*, *Isturgia arenacearia*, *Noctua interjecta*, *Mythimna albipuncta*, *Noctua interjecta* rūšių drugiai akivaizdžiai plinta Lietuvoje. Ugniukas *Cydalima perspectalis* svarbus buksmedžių kenkėjas, įtakoja jų auginimą šalyje. Daugelis rastų rūšių papildė duomenis apie jų paplitimą Lietuvoje. Dalis retų rūšių priskiriamos migrantams.

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