

The Pyraloidea of the Odesa region of Ukraine (Insecta: Lepidoptera)

Viktor Yepishin, Yevhenii Khalaim & Sergiy Novytskyi

Abstract

A list of 107 species of Crambidae and 84 species of Pyralidae from the Odesa region of Ukraine is given. 131 species are reported for the first time for the region, and two species are reported for the first time for continental Ukraine. The hitherto unknown female of *Talis olgae* Belov, 1995 described and illustrated, a comparative diagnosis between *T. quercella* ([Denis & Schiffermüller], 1775) and *T. olgae* is given. Additional data on the biology of *Euclasta splendidalis* (Herrich-Schäffer, 1848) given. Photographs of adults and genitalia of some rare and little-known species are provided.

Keywords: Insecta, Lepidoptera, Pyraloidea, Crambidae, Pyralidae, femina nova, first records, Palaearctic region.

Los Pyraloidea de la región ucraniana de Odesa (Insecta: Lepidoptera)

Resumen

Se presenta una lista de 107 especies de Crambidae y 84 especies de Pyralidae de la región ucraniana de Odesa. 131 especies son citadas por primera vez para la región, dos especies son citadas por primera vez para Ucrania continental. Se describen e ilustran las hembras hasta ahora desconocidas de *Talis olgae* Belov, 1995 y se ofrece un diagnóstico comparativo entre *T. quercella* ([Denis & Schiffermüller], 1775) y *T. olgae*. Se ofrecen datos adicionales sobre la biología de *Euclasta splendidalis* (Herrich-Schäffer, 1848). Se ofrecen fotografías de adultos y genitalia de algunas especies raras y poco conocidas.

Palabras clave: Insecta, Lepidoptera, Pyraloidea, Crambidae, Pyralidae, femina nova, primeros registros, región Paleártica.

Introduction

The Odesa region of Ukraine until the last decade remained one of the least studied for Lepidoptera, and Pyraloidea given in the literature for the region numbered only 60 species. The present contribution, expands the list of species by more than three times.

Material and methods

The material for this contribution was obtained from field trips in the Odesa region by the authors. The adults were collected by attraction to artificial light at night. Some specimens were collected by netting over vegetation in the early morning soon after sunrise or in the evening before dusk. The main part of the is stored in private research collection coll. V. Yepishin, except for thr private research collection of S. Novytskyi marked as "SN".

Genitalia slides were prepared by rinsing and cleaning the abdomen in water after maceration for

five minutes in boiling 20% KOH. The genitalia were separated from the remainder of the abdomen and dissected in 70% ethanol. After dehydration in 96% ethanol, the genitalia and abdomen were slide-mounted with Euparal or Canada balsam. Some genitalia samples were left in glycerol-vial.

The pinned specimens were photographed with a Nikon D5100 digital camera with Micro-Nikkor 55 mm lens and with macro rings. The slide-mounted genitalia were photographed with a Canon EOS 600D digital camera mounted on Olympus U-CTR30-2 combined with a Carl Zeiss "Amplival" microscope. Sets of 10-0 images were taken for each specimen and assembled into deep-focused images using Helicon Focus 6 and edited in Adobe Photoshop CC. A map of collecting places was created in Quantum GIS 3.10.0.



Figure 1. Map of collection sites in the territory of the Odesa region (numbering matches the list).

List of collection sites

Here is a detailed list of collection localities with geographic coordinates; the ordinal numbers correspond to the numbers on the map (Figure 1). The list of species contains only the corresponding settlement and the date of collection:

Podilsk district:

- 1) SE vic. of Murovana vill., 47°46'29"N 29°26'07"E
- 2) E vic. of Nestoita vill., 47°45'49"N 29°22'28"E
- 3) 2 km E of Kovbasova Poliana vill., 48°5'31"N 30°5'25"E

Rozdilna district:

- 4) SW vic. of Kardamycheve vill., 46°57'21"N 29°54'00"E
- 5) 5 km W of Zakhariivka, 47°20'7"N 29°40'41"E
- 6) NE vic. of Novokostiantynivka vill., 46°58'15"N 30°00'10"E
- 7) SE vic. of Trudomyrivka vill., 46°58'09"N 29°52'04"E

Berezivka district:

- 8) 3 km SSE of Kairy vill., 46°54'40"N 30°58'42"E
- 9) SE vic. of Ruska Slobidka vill., 46°48'28"N 30°36'39"E
- 10) 3 km SW of Malynivka vill., 46°55'23"N 30°21'9"E
- 11) N vic. of Severynivka vill., 46°50'50"N 30°34'32"E
- 12) vic. of Mykhailivka (Chervonovolodymyrivka) vill., 47°18'16"N, 30°48'12"E

Odesa district:

- 13) W vic. of Biliaivka city, 46°28'00"N 30°10'21"E
- 14) SW vic. of Krasnosilka vill., 46°36'4"N 30°45'23"E
- 15) 2 km SW of Kubanka vill., 46°41'11"N 30°42'51"E
- 16) 3 km NW vic. of Roksolany vill., 46°11'33"N, 30°25'54"E
- 17) N vic. of Stara Emetivka vill., 46°44'40"N 30°35'35"E
- 18) 6 km SW of Yasky vill., 46°28'49"N 29°59'49"E
- 19) vic. of Troitske, 46°30'54"N 30°00'35"E
- 20) vic. of Hradnytsi vill., 46°35'47"N 29°59'57"E

Bolhrad district:

- 21) 7 km NE of Vesela Dolyna vill., 46°17'21"N 29°22'14"E

Bilhorod-Dnistrovskiy district:

- 22) S vic. of Dyviziiia vill., 45°55'44"N 29°58'48"E
- 23) 3 km N of Lebedivka vill., 45°50'52"N 30°8'22"E
- 24) NE vic. of Lebedivka vill., 45°50'00"N 30°9'28"E
- 25) 6 km SE of Prymorske vill., 45°40'30"N 29°52'11"E
- 26) vic. of Rosieika, 45°39'10"N 29°50'19"E

Izmail district:

- 27) Izmail city, 45°21'36"N 28°49'11"E
- 28) vic. of Vylkove, Zhebryianska ridge, 45°25'25"N 29°34'37"E

Other sites, not mapped due to a lack of coordinates.

Berezivka district:

29) vic. of Severynivka vill., Severynivka forest

Odesa district:

30) Odesa city

31) Odesa district, "Kuialnyk" [Kuialnytskyi lyman (liman)]

32) Odesa city, right bank of Kuialnytskyi lyman

33) 7 km NE of Hradenytsi vill.

34) 4-6 km E of Hradenytsi vill.

Species list

The dates and localities of records as well as references for the Odesa region for each species are given. Further notes on some poorly known species are also provided.

The subfamilies are arranged following Regier et al. (2012) and with minor changes after Léger et al. (2020), genera and species are arranged mainly following Slamka (2006, 2008, 2013, 2019) and Goater et al. (2005).

Results

PYRALIDAE

Galleriinae

Lamoria zelleri (De Joannis, 1932)

Romaniszyn (1920, p. 80) (*Melissoblaptēs bipunctanus*).

Lamoria anella ([Denis & Schiffermüller], 1775)

Romaniszyn (1920, p. 81).

Material examined: Kairy, at light, 1 ♂, 7-8-VI-2020, V. Yepishin leg., gen. prep. ♂ 567.21s V. Yepishin. Ruska Slobidka, at light, 2 ♂, 8-9-VI-2020, V. Yepishin leg., gen. prep. ♂ 653.22s, ♂ 654.22s V. Yepishin.

Achroia grisella (Fabricius, 1794)

Material examined: Roksolany, 17-VI-2020, S. Novytskyi photographed, 1 specimen (SN).

Galleria mellonella (Linnaeus, 1758)

Material examined: Roksolany, 3 ♀, 11-12-X-2020, at light, V. Yepishin leg.; Trudomyrivka, 1 ♀, 21-VIII-2021, Ye. Khalaim and S. Novytskyi leg.; Izmail, 1 ♀, 18-VIII-2022, Ye. Khalaim leg.

Pyralinae

Hypotia massilialis (Duponchel, [1833])

Material examined: right bank of Kuialnytskyi lyman, 1 ♂, 14-VII-1985, V. Nikolaev; Ruska Slobidka, 1 specimen (SN), 22-VII-2017, Ye. Khalaim, S. Novytskyi, V. Sergienko & S. Trotsenko leg.; Rosieika, 1 specimen (SN), 22-VI-2019, S. Novytskyi & V. Sergienko leg.; Prymorske, 1 ♂, 12-VIII-2019, Ye. Khalaim leg., Roksolany, 1 specimen (SN), 7-IX-2019, S. Novytskyi photographed.

Synaphe moldavica (Esper, 1794)

Schugurow (1905, p. 45) (*Cledeobia*); Romaniszyn (1920, p. 82) (*Cledeobia*; *Cledeobia moldavica* v. *palermitalis* Gn.; v. *diffidialis* Gn.); Ermolenko (1999, p. 533).

Material examined: Kairy, 7-VI-2020, V. Yepishin leg., 6 ♂ 1 ♀.

Synaphe punctalis (Fabricius, 1775)

Material examined: Kovbasova Poliana, 18-VII-2020, Ye. Khalaim leg., 1 ♀.

Stemmatophora brunnealis (Treitschke, 1829) (Figure 2)

Material examined: Prymorske, 12-VIII-2019, Ye. Khalaim leg., 1 ♂. Roksolany, 30-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 specimen (SN). **First record from the continental Ukraine.**

Hypsopygia costalis (Fabricius, 1775)

Romaniszyn (1920, p. 82).

Material examined: Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 1 ♀.

Hypsopygia fulvociliialis (Duponchel, 1834)

Bidzilya et al. (2014, p. 12).

Hypsopygia rubidalis ([Denis & Schiffermüller], 1775)

Material examined: 4-6 km E Hradenytsi, 16-VI-2012, S. Novytskyi leg., 1 ♀. Hradenytsi, 8-VI-2013, S. Novytskyi leg., 1 ♂; 12-VII-2015, S. Novytskyi leg., 1 ♂. Murovana, 27-VII-2019, Ye. Khalaim leg., 1 specimen (without abdomen). Kairy, at light, 7-8-VI-2020, V. Yepishin leg., 2 ♂. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♂. NE vic. Lebedivka, 30-VII-2021, Ye. Khalaim & Yu. Kanarskyi leg., 1 ♂.

Pyralis regalis [Denis & Schiffermüller], 1775

Material examined: Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrka leg., 1 ♂. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 2 ♀.

Pyralis kacheticalis (Christoph, 1893)

Material examined: Rosieika, 22-VI-2019, S. Novytskyi leg., 1 ♂. Kairy, 26-VI-2020, Ye. Khalaim leg., 1 ♂. Kubanka, 25-VII-2020, Ye. Khalaim leg., 1 ♂.

Pyralis farinalis (Linnaeus, 1758)

Schugurow (1905, p. 45); Romaniszyn (1920, p. 82).

Aglossa pinguinalis (Linnaeus, 1758)

Schugurow (1905, p. 45); Romaniszyn (1920, p. 82).

Aglossa caprealis (Hübner, [1809])

Romaniszyn (1920, p. 82) (*cuprealis*).

Endotricha flammealis ([Denis & Schiffermüller], 1775)

Romaniszyn (1920, p. 81).

Material examined: Kuialnytskyi lyman, 29-VI-1984, V. Nikolaev, 1 ♂.

Phycitinae

Trachonitis cristella ([Denis & Schiffermüller], 1775)

Material examined: 4-6 km E Hradenytsi, 15-VI-2016, S. Novytskyi leg., 1 ♂. Murovana, 27-VII-

2019, Ye. Khalaim leg., 1 ♀. Ruska Slobidka, 8-VI-2020, Ye. Khalaim leg., 1 ♀; at light, 8-9-VI-2020, V. Yepishin leg., 5 ♂♂. Kairy, at light, 7-8-VI-2020, V. Yepishin leg., 2 ♂. Roksolany, 23-VI-2020, Ye. Khalaim leg., 1 ♂. Kovbasova Poliana, 18-VII-2020, Ye. Khalaim leg., 1 ♂. NE vic. Lebedivka, 30-VII-2021, Ye. Khalaim & Yu. Kanarskyi leg., 1 ♀.

Elegia atrifasciella Ragonot, 1887

Yepishin et al. (2021, pp. 367-368).

Material examined: Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 531.21g V. Yepishin. Trudomyrivka, 21-VIII-2021, Ye. Khalaim, S. Novytskyi leg., 1 ♂, gen. prep. ♂ 659.22g V. Yepishin.

Elegia similella (Zincken, 1818)

Material examined: Zakhariivka, 31-V-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 384.20s V. Yepishin.

Pyla fusca (Haworth, 1811)

Material examined: Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrka leg., 1 ♀.

Delplanqueia dilutella [Denis & Schiffermüller], 1775)

Material examined: Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 1 ♂, gen. prep. ♂ 652.22s V. Yepishin. Kovbasova Poliana, 18-VII-2020, Ye. Khalaim leg., 1 ♂. Severynivka, 12-IX-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 490.21s V. Yepishin.

Delplanqueia inscriptella (Duponchel, 1836)

Material examined: Ruska Slobidka, 8-VI-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 644.22s V. Yepishin; at light, 8-9-VI-2020, V. Yepishin leg., 4 ♂, 1 ♀. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrka leg., 1 ♀, gen. prep. ♀ 690.22g V. Yepishin.

Cnephidia serraticornella (Zeller, 1839)

Material examined: Kairy, 23-V-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 382.20s V. Yepishin. Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 1 ♀. Prymorske, 25-VI-2021, Ye. Khalaim & V. Sergienko leg., 1 ♂, 1 ♀. Izmail, 18-VIII-2022, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 697.23g V. Yepishin.

Selagia argyrella ([Denis & Schiffermüller], 1775)

Material examined: Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 2 ♂; 25-VII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♂. Severynivka, 12-13-IX-2020, at light, V. Yepishin leg., 4 ♂, 1 ♀; 15-16-IX-2021, at light, V. Yepishin leg., 1 ♂.

Psorosa dahliaella (Treitschke, 1832)

Material examined: Hradenytsi, 17-VIII-2013, S. Novytskyi leg., 1 ♂. Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 2 ♂. Roksolany, 17-VI-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 536.21s V. Yepishin; 13-14-IX-2020, V. Yepishin leg., 2 ♂, 1 ♀, gen. prep. ♂ 535.21s V. Yepishin; 30-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♀. Severynivka, 12-13-IX-2020, at light, V. Yepishin leg., 3 ♂, 1 ♀. Prymorske, 5-VI-2021, Ye. Khalaim leg., 1 ♀. Trudomyrivka, 21-VIII-2021, Ye. Khalaim, S. Novytskyi leg., 1 ♀. Vylkove, 1-2-X-2021, at light, V. Yepishin leg., 1 ♂.

Rhodophaea formosa (Haworth, 1811)

Yepishin et al. (2021, p. 370).

Material examined: Severynivka, 11-V-2019, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 400.20g V.

Yepishin. Murovana, 27-VII-2019, Ye. Khalaim leg., 1 ♂. Kardamycheve, 2-V-2020, S. Novytskyi leg., 1 ♂. Roksolany, 17-VI-2020, Ye. Khalaim leg., 1 ♂, 1 ♀; 29-VII-2020, Ye. Khalaim leg., 1 ♀. Kovbasova Poliana, 18-VII-2020, Ye. Khalaim leg., 1 ♂.

Sciota adelphella (Fischer von Röslerstamm, 1836)

Material examined: Yasky, 16-VIII-2020, Ye. Khalaim leg., 1 ♂.

Sciota marmorata (Alphéraky, 1876)

Ermolenko (1999, p. 533) (*Nephterix*).

Material examined: Severynivka, 21-VII-2018, S. Novytskyi leg., 1 ♂. Ruska Slobidka, 8-VI-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 570.21s V. Yepishin.

Laodamia faecella (Zeller, 1839)

Material examined: Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 1 ♂. Kairy, 26-VI-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 642.22g V. Yepishin.

Oncocera semirubella (Scopoli, 1763)

Ermolenko (1999, p. 533).

Material examined: Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀. Roksolany, 30-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 (&).

Etiella zinckenella (Treitschke, 1832)

Material examined: Kairy, 26-VI-2020, Ye. Khalaim leg., 1 ♀. Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 1 ♀. Prymorske, 5-VI-2021, Ye. Khalaim leg., 1 ♀. Ruska Slobidka, 25-VII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♂.

Merulempista cingillella (Zeller, 1846) (Figures 15, 18)

Material examined: Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♂, 1 ♀, gen. prep. ♂ 534.21s, ♀ 533.21s V. Yepishin; 29-VIII-2020, S. Novytskyi leg., 1 ♂. Ruska Slobidka, 8-VI-2020, Ye. Khalaim leg., 1 ♀.

Pempelia albariella (Zeller, 1839) (Figure 3)

Bidzilya & Budashkin (2017, p. 17).

Material examined: Ruska Slobidka, 22-VII-2017, Ye. Khalaim, S. Novytskyi, V. Sergienko & S. Trotsenko leg., 1 ♂ (SN). Severynivka, 23-VIII-2018, S. Novytskyi, V. Sergienko & S. Trotsenko leg., 1 ♂ (SN).

Note: Specimen reported in Bidzilya & Budashkin (2017) is illustrated here for the first time.

Phycita roborella ([Denis & Schiffermüller], 1775)

Material examined: Hradenytsi, 27-VII-2015, S. Novytskyi leg., 1 ♀. Murovana, 27-VII-2019, Ye. Khalaim leg., 1 ♂, 1 ♀, gen. prep. ♂ 402.20s, ♀ 403.20s V. Yepishin; Kovbasova Poliana, 18-VII-2020, Ye. Khalaim leg., 1 ♂, 2 ♀, gen. prep. ♂ 643.22s V. Yepishin.

Phycita meliella (Mann, 1864)

Material examined: Murovana, 7-VII-2019, Ye. Khalaim leg., 1 ♂.

Isauria dilucidella (Duponchel, 1836)

Yepishin et al. (2021, p. 371).

Material examined: Hradenytsi, 3-VIII-2013; 25-VI-2015; 1-VII-2015, S. Novytskyi leg., 1 ♂, 2 ♀. 4-6 km E Hradenytsi, 17-V-2014, S. Novytskyi leg., 1 ♂. Prymorske, 6-VII-2020, Ye. Khalaim leg., 1 ♀. Dyviziia, 15-VIII-2020, Ye. Khalaim leg., 1 ♂, 1 ♀. Ruska Slobidka, 18-IV-2020, S. Novytskyi

leg., 1 ♂; Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 397.20g V. Yepishin. Roksolany, 17-VI-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 437.20g V. Yepishin.

Bradyrrhoa gilveolella (Treitschke, 1832)

Material examined: Severynivka, 23-VII-2017, Ye. Khalaim, S. Novytskyi, V. Sergienko & S. Trotsenko leg., 1 specimen (SN). Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 1 ♀.

Gymnancyla hornigii (Lederer, 1852)

Material examined: Troitske, 12-IX-2016, S. Novytskyi leg., 1 ♂. Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 3 ♂, 9 ♀, gen. prep. ♀ 492.21s V. Yepishin; 30-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♂. Prymorske, 19-IX-2020, Ye. Khalaim leg., 2 ♂, gen. prep. ♂ 491.21s V. Yepishin. Stara Emetivka, 25-IX-2020, Ye. Khalaim leg., 1 ♂. Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 2 ♀.

Pogonotrophus allotriella (Herrich-Schäffer, 1855) (Figure 4)

Material examined: Ruska Slobidka, 18-IV-2020, Ye. Khalaim leg., 1 ♂.

Dioryctria abietella ([Denis & Schiffermüller], 1775)

Material examined: Hradenytsi, 22-VII-2016, S. Novytskyi leg., 1 ♀. Mykhailivka, 23-VII-2018, S. Novytskyi leg., 1 ♂, gen. prep. ♂ 687.22s V. Yepishin. Murovana, 27-VII-2019, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 456.20s V. Yepishin. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrka leg., 1 ♀, gen. prep. ♀ 685.22g V. Yepishin.

Dioryctria simplicella Heinemann, 1865

Material examined: Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♂, 1 ♀, gen. prep. ♂ 641.22s V. Yepishin. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀, gen. prep. ♀ 686.22g V. Yepishin.

Material examined: 4-6 km E Hradenytsi, 25-VIII-2012; 11-V-2013, S. Novytskyi leg., 1 ♂, 1 ♀. Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♂; 14-15-IX-2021, at light, V. Yepishin leg., 1 ♂. Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 1 ♀, gen. prep. ♀ 555.21g V. Yepishin. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀.

Epischnia illotella Zeller, 1839

Material examined: Stara Emetivka, 25-IX-2020, Ye. Khalaim leg., 1 ♀. Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♂.

Pterothrixidia rufella (Duponchel, 1836)

Material examined: 4-6 km E Hradenytsi, 25-VIII-2012, S. Novytskyi leg., 1 ♀. Hradenytsi, 1-VI-2015, S. Novytskyi leg., 1 ♂. Ruska Slobidka, 22-VII-2018, S. Novytskyi leg., 1 ♀; 8-VI-2020, V. Yepishin leg., 1 ♂; 25-VII-2021, Ye. Khalaim leg., 1 ♂. Roksolany, 29-VII-2020, Ye. Khalaim leg., 1 ♀. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrka leg., 2 ♀.

Nephoterix angustella (Hübner, 1796)

Material examined. 3 km N Lebedivka, 9-V-2020, Ye. Khalaim leg., 1 ♂. Kairy, 23-V-2020, Ye. Khalaim leg., 1 ♂. Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♂.

Hypochoalcia decorella (Hübner, [1810])

Material examined: Hradenytsi, 30-V-2016, S. Novytskyi leg., 1 ♂. Kairy, 16-V-2020, Ye. Khalaim leg., 1 ♂. Kairy, 7-VI-2020, V. Yepishin leg., 1 ♂.

Hypochoalcia ahenella ([Denis & Schiffermüller], 1775)

Material examined: Kardamycheve, 22-V-2020, S. Novytskyi leg., 1 specimen (SN).

Acrobasis tumidana ([Denis & Schiffermüller], 1775)

Material examined: Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♀. Kovbasova Poliana, 18-VIII-2020, Ye. Khalaim leg., 1 ♀.

Acrobasis repandana (Fabricius, 1798)

Material examined: Troitske, 5-VI-2018, S. Novytskyi leg., 1 ♀.

Acrobasis obtusella (Hübner, 1796)

Material examined: Hradenytsi, 14-VI-2015, S. Novytskyi leg., 2 ♀.

Acrobasis advenella (Zincken, 1818)

Material examined; Severynivka, 21-VII-2018, S. Novytskyi leg., 1 ♂, gen. prep. ♂ 665.22g V. Yepishin; 12-13-IX-2020, at light, V. Yepishin leg., 1 ♂, 3 ♀; 15-16-IX-2021, at light, V. Yepishin leg., 2 ♀. Ruska Slobidka, 25-VII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♂. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♂.

Acrobasis legatea (Haworth, 1811)

Material examined: Ruska Slobidka, 22-VII-2018, S. Novytskyi leg., 2 ♂, gen. prep. ♂ 663.22g, ♂ 664.22s V. Yepishin. ♂. Severynivka, 15-16-IX-2021, at light, V. Yepishin leg., 1 ♂, gen. prep. ♂ 670.22s V. Yepishin.

Acrobasis dulcella (Zeller, 1848)

Ermolenko (1999, p. 533) (*Gaana*).

Acrobasis marmorea (Haworth, 1811)

Ermolenko (1999, p. 533) (*Gaana*).

Glyptoteles leucacrinella Zeller, 1848

Material examined: Yasky, 16-VIII-2020, Ye. Khalaim leg., 1 ♀, gen. prep. (&) 532.21g V. Yepishin. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀, gen. prep. ♀ 657.22g V. Yepishin.

Episcythrastis tetricella ([Denis & Schiffermüller], 1775)

Material examined: Ruska Slobidka, 18-IV-2020, Ye. Khalaim leg., 1 ♂, 1 ♀. Kardamycheve, 1-V-2021, S. Novytskyi leg., 1 ♀.

Episcythrastis tabidella (Mann, 1864) (Figure 5)

Material examined: Severynivka, 15-VI-2019, S. Novytskyi leg., 1 ♀. **First record from the continental Ukraine.**

Eurhodope rosella (Scopoli, 1763)

Ermolenko (1999, p. 533).

Material examined: Nestoita, 17-VIII-2017, Ye. Khalaim & S. Novytskyi leg., 1 specimen (SN). Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀.

Eurhodope cirrigerella (Zincken, 1818)

Yepishin et al. (2021, p. 373).

Myelois circumvoluta Fourcroy, 1785

Romaniszyn (1920, p. 81) (*cribrella*).

Material examined: Hradenytsi, 28-V-2011, S. Novytskyi leg., 1 ♀.

Eccopisa effractella Zeller, 1848

Material examined: Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 469.20g V. Yepishin. Yasky, 16-VIII-2020, Ye. Khalaim leg., 1 ♂. Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♀.

Euzophera alpherakyella Ragonot, 1887

Material examined: Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♂.

Euzophera pinguis (Haworth, 1811)

Material examined. Hradenytsi, 17-VII-2017, S. Novytskyi leg., 1 ♀. Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 571.21s V. Yepishin.

Euzophera bigella (Zeller, 1848)

Material examined: Hradenytsi, 25-VII-2015, S. Novytskyi leg., 1 ♀.

Euzophera cinerosella (Zeller, 1839)

Material examined: 7 km NE of Hradenytsi, 30-IV-2012, S. Novytskyi leg., 1 ♂. Kairy, at light, 7-8-VI-2020, V. Yepishin leg., 2 ♂. Roksolany, 29-VII-2020, Ye. Khalaim leg., 1 ♂. Severynivka, 15-16-IX-2021, at light, V. Yepishin leg., 1 ♂.

Euzophera fuliginosella (Heinemann, 1865)

Material examined: NE vic. Lebedivka, 30-VII-2021, Ye. Khalaim & Yu. Kanarskyi leg., 1 ♀. 3 km N Lebedivka, 31-VII-2021, Ye. Khalaim & Yu. Kanarskyi leg., 1 ♀.

Euzopherodes charlottae (Rebel, 1914)

Yepishin et al. (2021, p. 374).

Material examined: NE vic. Lebedivka, 30-VII-2021, Ye. Khalaim & Yu. Kanarskyi leg., 1 ♀.

Nyctegretis lineana (Scopoli, 1786)

Material examined: Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavurka leg., 1 ♂. Roksolany, 30-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♀, gen. prep. ♀ 590.21s V. Yepishin.

Ancylois sareptalla (Herrich-Schäffer, 1861)

Material examined: Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♀; 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 2 ♂. Roksolany, 29-VII-2020, Ye. Khalaim leg., 2 ♀.

Ancylois roscidella (Eversmann, 1844)

Material examined: Prymorske, 12-VIII-2019, Ye. Khalaim leg., 1 ♀; 5-VI-2021, Ye. Khalaim leg., 3 ♂, 1 ♀, gen. prep. ♀ 562.21g V. Yepishin. Kubanka, 25-VII-2020, Ye. Khalaim leg., 1 ♀.

Ancylois oblitella (Zeller, 1848)

Material examined: Prymorske, 2-VII-2019, Ye. Khalaim leg., 1 ♀. Dyvizia, 12-VI-2020, Ye. Khalaim leg., 2 ♂, 4 ♀, gen. prep. ♀ 438.20g, ♀ 450.20g V. Yepishin; 15-VIII-2020, Ye. Khalaim leg., 1 ♂. Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♀. Roksolany, 17-VI-2020, Ye. Khalaim leg., 1 ♂; 13-14-IX-2020, at light, V. Yepishin leg., 1 ♀. Kairy, 10-X-2020, Ye. Khalaim leg., 1 ♀; 10-11-X-2020, at light, V. Yepishin leg., 3 ♂, 2 ♀.

Homoeosoma sinuella (Fabricius, 1794)

Material examined: Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀. Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♀.

Homoeosoma nebulella ([Denis & Schiffermüller], 1775)

Material examined: Kairy, at light, 7-8-VI-2020, V. Yepishin leg., 1 ♂, 2 ♀. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀. Kovbasova Poliana, 18-VII-2020, Ye. Khalaim leg., 1 ♀. Roksolany, 29-VII-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 646.22s V. Yepishin; 13-14-IX-2020, at light, V. Yepishin leg., 5 ♂, 4 ♀; 30-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♂. Severynivka, 12-13-IX-2020, at light, V. Yepishin leg., 1 ♂. Prymorske, 19-IX-2020, Ye. Khalaim leg., 1 ♀; 5-VI-2021, Ye. Khalaim leg., 1 ♀. Stara Emetivka, 25-IX-2020, Ye. Khalaim leg., 1 ♀. Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♂, 1 ♀. Izmail, 18-VIII-2022, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 699.23g V. Yepishin.

Phycitodes lacteella (Rothschild, 1915)

Material examined: Roksolany, 29-VII-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 637.22s V. Yepishin; Dyviziia, 15-VIII-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 638.22g V. Yepishin; Yasky, 16-VIII-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 639.22g V. Yepishin. ♂. Severynivka, 12-13-IX-2020, at light, V. Yepishin leg., 1 ♂, gen. prep. ♂ 671.22g V. Yepishin. Izmail, 18-VIII-2022, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 698.23g V. Yepishin.

Phycitodes inquinatella (Ragonot, 1887)

Material examined: Roksolany, 29-VII-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 640.22g V. Yepishin.

Phycitodes albatella (Ragonot, 1887)

Material examined: Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♂, gen. prep. ♂ 564.21g V. Yepishin.

Plodia interpunctella (Hübner, [1813])

Romaniszyn (1920, p. 81).

Ephestia welseriella (Zeller, 1848)

Material examined: Severynivka, 21-VII-2018, S. Novytskyi leg., 1 ♂, gen. prep. ♂ 651.22s V. Yepishin.

Cadra furcatella (Herrich-Schäffer, 1849)

Material examined: Hradenytsi, 11-VII-2016, S. Novytskyi leg., 1 ♂, gen. prep. ♂ 678.22g V. Yepishin. Kardamycheve, 2-V-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 407.20g V. Yepishin. Severynivka, 12-13-IX-2020, at light, V. Yepishin leg., 1 ♂, gen. prep. ♂ 672.22g V. Yepishin.

Cadra figulilella (Gregson, 1871)

Material examined: Hradenytsi, 2-VIII-2014, S. Novytskyi leg., 1 ♀, gen. prep. ♀ 662.22g V. Yepishin. Roksolany, 15-VIII-2020, at light, O. Bidzilya leg., 1 ♂, gen. prep. ♂ 474.20g V. Yepishin.

Hypsotropa unipunctella Ragonot, 1888

Material examined: Kubanka, 25-VII-2020, Ye. Khalaim leg., 1 ♀. Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♂. Vylkove, 11-VII-2020, Ye. Khalaim leg., 2 ♂. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀.

Ematheudes punctellus (Treitschke, 1833)

Poltavsky et al. (2013, pp. 287-288).

Material examined: Roksolany, 23-VI-2020, Ye. Khalaim leg., 1 ♀; 29-VII-2020, Ye. Khalaim leg., 1 ♀. Dyviziia, 15-VIII-2020, Ye. Khalaim leg., 1 ♂, 1 ♀. NE vic. Lebedivka, 30-VII-2021, Ye. Khalaim & Yu. Kanarskyi leg., 1 ♀. Izmail, 18-VIII-2022, Ye. Khalaim leg., 1 ♂.

Coenochroa ablutella (Zeller, 1839)

Material examined: Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 1 ♀. Dyviziia, 15-VIII-2020, Ye. Khalaim leg., 1 ♀. Vylkove, 29-VIII-2020; 23-V-2021, S. Novytskyi leg., 2 ♂.

CRAMBIDAE
Schoenobiinae

Schoenobius gigantellus ([Denis & Schiffermüller], 1775)

Material examined: Hradenytsi, 12-V-2012, S. Novytskyi leg., 2 ♀; 27-VII-2015, S. Novytskyi leg., 1 ♂. 4-6 km E Hradenytsi, 11-V-2013, S. Novytskyi leg., 1 ♀. Biliaivka, 17-VII-2015, S. Novytskyi leg., 2 ♂. Vylkove, 11-VII-2020, Ye. Khalaim leg., 2 ♂, 1 ♀. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♂, 1 ♀.

Scirpophaga praelata (Scopoli, 1763)

Material examined: Prymorske, 25-VI-2021, Ye. Khalaim & V. Sergienko leg., 1 ♀.

Scirpophaga xanthopygata Schawerda, 1922 (Figures 6, 20)

Material examined: Hradenytsi, 4-VIII-2012, S. Novytskyi leg., 1 ♂, gen. prep. ♂ 649.22s V. Yepishin. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 489.21s V. Yepishin.

Acentropinae

Elophila nymphaeata (Linnaeus, 1758)

Ermolenko (1999, p. 533) (*Nymphula*).

Material examined: Hradenytsi, 12-VII-2015, S. Novytskyi leg., 1 ♂. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀. Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♀; 14-15-IX-2021, at light, V. Yepishin leg., 2 ♀.

Acentria ephemerella ([Denis & Schiffermüller], 1775)

Sovinskij (1935, p. 76) (*Acentropus niveus*); Ermolenko (1999, p. 534) (*nivea*).

Material examined: Kairy, at light, 7-8-VI-2020, V. Yepishin leg., 1 ♂, 1 ♀. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♂.

Cataclysta lemnata (Linnaeus, 1758)

Ermolenko (1999, p. 533) (*Paraponyx*).

Material examined: Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♂, 1 ♀. Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 2 ♀.

Paraponyx stratiotata (Linnaeus, 1758)

Ermolenko (1999, p. 533).

Material examined: Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♂, 1 ♀. Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♀.

Paraponyx nivalis ([Denis & Schiffermüller], 1775)

Yepishin et al. (2021, p. 376).

Nymphula nitidulata (Hufnagel, 1767)

Ermolenko (1999, p. 533) (*Parapoynx stagnata*).

Material examined: Hradenytsi, 20-VI-2021, S. Novytskyi photographed, 1 specimen (SN).

Crambinae

Chilo phragmitellus (Hübner, [1810])

Material examined: Prymorske, 12-VIII-2019, Ye. Khalaim leg., 1 ♂. Murovana, 27-VII-2019, Ye. Khalaim leg., 1 ♀; 8-VIII-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 553.21g V. Yepishin.

Chilo luteellus (Motschulsky, 1866)

Material examined: Prymorske, 6-VII-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 530.21g V. Yepishin; 5-VI-2021, Ye. Khalaim leg., 1 ♂. Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♂.

Chilo pulverosellus Ragonot, 1895

Material examined: Dyviziia, 15-VIII-2020, Ye. Khalaim leg., 1 ♂, 2 ♀. Prymorske, 25-VI-2021, Ye. Khalaim & V. Sergienko leg., 1 ♂; 3-4-VIII-2021, Ye. Khalaim leg., 1 ♂. Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♂, 1 ♀.

Pseudobissetia terrestrella (Christoph, 1885)

Material examined: Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 524.21s V. Yepishin.

Calamotropha paludella (Hübner, [1824])

Material examined: Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 529.21g V. Yepishin. Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♀.

Calamotropha aureliella (Fischer von Röslerstamm, 1841)

Material examined: Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♂, 1 ♀. Prymorske, 25-VI-2021, Ye. Khalaim & V. Sergienko leg., 1 ♂, 1 ♀, gen. prep. ♂ 566.21g V. Yepishin.

Euchromius ocellus (Haworth, 1811)

Material examined: Prymorske, 2-VII-2019, Ye. Khalaim leg., 1 ♀. Kairy, at light, 7-8-VI-2020, V. Yepishin leg., 1 ♂; 10-X-2020, Ye. Khalaim leg., 1 ♂. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 2 ♂; 15-VIII-2020, Ye. Khalaim leg., 1 ♀. Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 2 ♂. Stara Emetivka, 25-IX-2020, Ye. Khalaim leg., 1 ♀.

Euchromius bellus (Hübner, 1796)

Material examined: Hradenytsi, 3-VIII-2013, S. Novytskyi leg., 1 ♀. 4-6 km E Hradenytsi, 28-VI-2014, S. Novytskyi leg., 1 ♂. Kovbasova Poliana, 18-VII-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 569.21s V. Yepishin. Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♂. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrurka leg., 1 ♂. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♂.

Euchromius jaxartellus (Erschoff, 1874)

Material examined: Dyviziia, 15-VIII-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 506.21g V. Yepishin. Vylkove, 29-VIII-2020, S. Novytskyi leg., 1 ♂, gen. prep. ♂ 596.21g V. Yepishin.

Euchromius bleszynskiellus Popescu-Gorj, 1964 (Figure 19)

Yepishin et al. (2021, pp. 376-377).

Material examined: Rosieika, 22-VI-2019, S. Novytskyi leg., 2 ♂, 1 ♀, gen. prep. ♂ 593.21g ♂

595.21g, ♀ 591.21g V. Yepishin. Prymorske, 2-VII-2019, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 398.20s V. Yepishin; 5-VI-2021, Ye. Khalaim leg., 2 ♂, gen. prep. ♂ 594.21g V. Yepishin. Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 592.21g V. Yepishin.

Chrysoteuchia culmella (Linnaeus, 1758)

Material examined; Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrurka leg., 1 ♀.

Crambus pascuellus (Linnaeus, 1758)

Material examined: Kovbasova Polyana, 18-VII-2020, Ye. Khalaim leg., 1 ♀.

Agriphila tristella ([Denis & Schiffermüller], 1775)

Material examined: Murovana, 6-IX-2020, Ye. Khalaim leg., 1 ♂. Malynivka, 12-IX-2020, V. Yepishin leg., 2 ♂, 1 ♀. Severynivka, 12-13-IX-2020, V. Yepishin leg., 5 ♂. Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 1 ♂. Prymorske, 19-IX-2020, Ye. Khalaim leg., 1 ♂, 1 ♀. Stara Emetivka, 25-IX-2020, Ye. Khalaim leg., 2 ♂.

Agriphila inquinatella ([Denis & Schiffermüller], 1775)

Material examined: Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♂. Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 2 ♂.

Agriphila selasella (Hübner, [1813])

Material examined: Prymorske, 12-VIII-2019, Ye. Khalaim leg., 1 ♀; 19-IX-2020, Ye. Khalaim leg., 2 ♂.

Agriphila aeneociliella (Eversmann, 1844)

Material examined: Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♂.

Agriphila poliella (Treitschke, 1832)

Material examined: Stara Emetivka, 25-IX-2020, Ye. Khalaim leg., 1 ♀. Severynivka, 12-13-IX-2020, at light, V. Yepishin leg., 1 ♀; 15-16-IX-2021, at light, V. Yepishin leg., 1 ♀.

Agriphila tersella (Lederer, 1855)

Yepishin et al. (2020, p. 103).

Material examined: Yasky, 4-IX-2015, S. Novytskyi leg., 1 ♀, gen. prep. ♀ 655.22s V. Yepishin (the same specimen that was published in Yepishin et al. (2020)). Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♂.

Agriphila tolli (BΔeszzyński, 1952) (Figure 16)

Material examined: Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 1 ♂. Prymorske, 19-IX-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 515.21s V. Yepishin.

Catoptria pinella (Linnaeus, 1758)

Material examined: Hradenytsi, 28-VI-2017, S. Novytskyi leg., 1 specimen (SN). Severynivka, 15-VI-2019, S. Novytskyi & V. Kavrurka leg., 1 specimen (SN). Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♂. Kovbasova Polyana, 18-VII-2020, Ye. Khalaim leg., 1 ♂.

Catoptria fulgidella (Hübner, [1813])

Material examined: Vylkove, 29-VIII-2020, Ye. Khalaim leg., 1 ♂; 14-15-IX-2021, at light, V. Yepishin leg., 1 ♀.

Catoptria falsella ([Denis & Schiffermüller], 1775)Romaniszyn (1920, p. 81) (*Crambus*).

Material examined: Kovbasova Polyana, 18-VII-2020, Ye. Khalaim leg., 1 ♀. Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♂. NE vic. Lebedivka, 30-VII-2021, Ye. Khalaim & Yu. Kanarskiy leg., 1 ♀. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀.

Catoptria verella (Zincken, 1817)

Material examined: Biliaivka, 17-VII-2015, S. Novytskyi leg., 1 specimen (SN). Murovana, 27-VII-2019, Ye. Khalaim leg., 1 ♂. Novokostiantynivka, 6-VII-2020, S. Novytskyi leg., 1 specimen (SN).

Catoptria lythargyrella (Hubner, 1796)Schugurow (1905, p. 45) (*Crambus*).*Mesocrambus candiellus* (Herrich-Schäffer, 1848)

Yepishin et al. (2021, p. 377).

Material examined: Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♀.

Metacrambus carectellus (Zeller, 1847)

Yepishin et al. (2021, p. 377).

Material examined: Hradenytsi, 12-VII-2014, S. Novytskyi leg., 2 ♀; 11-VII-2016, S. Novytskyi leg., 1 ♀. Biliaivka, 17-VII-2015, S. Novytskyi leg., 1 ♀. NE vic. Lebedivka, 30-VII-2021, Ye. Khalaim & Yu. Kanarskiy leg., 1 ♂.

Xanthocrambus saxonellus (Zincken, 1821)

Material examined: Kovbasova Polyana, 18-VII-2020, Ye. Khalaim leg., 1 ♀. Troitske, 25-VII-2016, S. Novytskyi leg., 1 ♂. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 2 ♂.

Chrysocrambus linetellus (Fabricius, 1781)

Material examined: 4-6 km E Hradenytsi, 19-V-2012, S. Novytskyi leg., 1 ♀. Prymorske, 25-VI-2021, Ye. Khalaim & V. Sergienko leg., 1 ♀, gen. prep. ♀ 645.22s V. Yepishin.

Chrysocramboides craterella (Scopoli, 1763)

Material examined: Hradenytsi, 24-V-2014, S. Novytskyi leg., 1 ♂. Kairy, 7-8-VI-2020, V. Yepishin leg., 8 ♂. Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 1 ♂.

Thisanotia chrysonuchella (Scopoli, 1763)

Material examined: Severynivka, 11-V-2019, Ye. Khalaim leg., 1 ♀.

Pediasia jucundella (Herrich-Schäffer, [1848])

Yepishin et al. (2020, p. 103) (as *Agriphila tersella* (Lederer, 1855) misidentification).

Material examined: 4-6 km E Hradenytsi, 25-VIII-2012, S. Novytskyi leg., 1 ♀, gen. prep. ♀ 658.22g V. Yepishin. Hradenytsi, 11-IX-2015, S. Novytskyi leg., 1 ♀, gen. prep. ♀ 656.22s V. Yepishin. ♂. Severynivka, 12-13-IX-2020, at light, V. Yepishin leg., 1 ♀, gen. prep. ♂ 669.22g V. Yepishin.

Pediasia luteella ([Denis & Schiffermüller], 1775)Romaniszyn (1920, p. 81) (*Crambus*).

Material examined: 4-6 km E Hradenytsi, 2-VI-2015, S. Novytskyi leg., 1 ♂, 1 ♀, gen. prep. ♂ 668.22g V. Yepishin; 12-VII-2014, 26-VII-2014, S. Novytskyi leg., 2 ♂, 1 ♀. Hradenytsi, 21-VI-2015, S. Novytskyi leg., 1 ♀, gen. prep. ♀ 667.22s V. Yepishin.

Pediasia contaminella (Hübner, 1796)

Material examined: Murovana, 6-IX-2020, Ye. Khalaim leg., 1 ♀. Prymorske, 25-VI-2021, Ye. Khalaim & V. Sergienko leg., 2 ♀.

Pediasia aridella (Thunberg, 1794)

Material examined: Roksolany, 17-VI-2020, Ye. Khalaim leg., 1 ♀. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♂, 2 ♀, gen. prep. ♀ 528.21g V. Yepishin; 15-VIII-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 527.21s V. Yepishin. Prymorske, 19-IX-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 518.21s V. Yepishin.

Pediasia matricella (Treitschke, 1832)

Material examined: Stara Emetivka, 25-IX-2020, S. Novytskyi leg., 1 ♂. Severynivka, 15–16-IX-2021, at light, V. Yepishin leg., 1 ♂; 12-13-IX-2021, at light, V. Yepishin leg., 3 ♂.

Platytes cerussella ([Denis & Schiffermüller], 1775)

Material examined: Zakharivka, 31-V-2020, Ye. Khalaim leg., 1 ♂.

Platytes alpinella (Hübner, [1813])

Material examined: Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀. Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♂.

Ancylolomia palpella ([Denis & Schiffermüller], 1775)

Material examined: Stara Emetivka, 25-IX-2020, Ye. Khalaim leg., 1 ♀. Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 3 ♂, 4 ♀.

Ancylolomia tentaculella (Hübner, 1796)

Material examined. 4-6 km E Hradenytsi, 25-VIII-2012, S. Novytskyi leg., 1 ♀; 10-VIII-2014, S. Novytskyi leg., 2 ♀. Hradenytsi, 15-VIII-2015, S. Novytskyi leg., 1 ♂; 29-VIII-2015, S. Novytskyi leg., 1 ♀. Roksolany, at light, 13-14-IX-2020, V. Yepishin leg., 1 ♂. Prymorske, 12-VIII-2019, Ye. Khalaim leg., 1 ♂. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavurka leg., 1 ♂.

Talis quercella ([Denis & Schiffermüller], 1775) (Figure 7)

Material examined: Odesa, 8-VIII-2015, S. Novytskyi leg., 1 ♂. Hradenytsi, 6-IX-2016, S. Novytskyi leg., 1 ♀; Prymorske, 12-VIII-2019, Ye. Khalaim leg., 1 ♂. Severynivka, 29-VIII-2019, S. Novytskyi leg., 1 ♂. Dyviziia, 15-VIII-2020 Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 487.21s V. Yepishin.

Note: See the comparative diagnosis between *T. quercella* and *T. olgae* below.

Talis olgae Belov, 1995 (Figures 8, 9, 17, 21)

Material examined: Prymorske, 3-4-VIII-2021, Ye. Khalaim leg., 2 ♂, 1 ♀, gen. prep. ♂ 586.21s, ♀ 585.21s V. Yepishin; 24-VII-2022, Ye. Khalaim leg., 2 ♂.

Remarks: *Talis olgae* was described based on fifteen males from “The Black Sea (Chornomorskyi) State Natural Reserv”, Kherson region of Ukraine. The species is also known by the 4 males from Zaporizhzhia region of Ukraine (Bidzilya et al. 2011; Lepiforum, 2023) and by 27 specimens from Rostov region of Russia (Poltavsky et al. 2016). In the catalog of Lepidoptera of Russia (Sinev, 2019), the species is noted only for the W Caucasus region. This reference is most likely erroneous and should be refer to the record from the Rostov region. Hitherto unknown female is described here for the first time.

Diagnosis: The forewings of *T. olgae* are noticeably widened at the apex (in *T. quercella* more parallel), darker and grayer (in *T. quercella* that lighter and browner), the frontal chitinous outgrowth is narrower and has a tip pointed at a smaller angle (in *T. quercella* it is more rounded with a tip pointed at a larger angle). Antennal segments of female of *T. olgae* are more, they are visually noticeable (with a

slight magnification), in *T. quercella* the segments merge into a continuous thread without visible boundaries between them.

Description of female: Wingspan of the only known female 22.5 mm, while famous males 26-28 mm. Sexual dimorphism is pronounced, except for antennae which are: filiform, but with pronounced boundaries of segments on underside of antenna in female and slightly pectinate in male. Female genitalia: papillae anales wide, triangular, densely covered with short hairs on top and long on base. Posterior apophyses straight, more than 2x longer than papillae anales. Anterior apophyses not very straight and with slightly curved tips, slightly longer and thicker than posterior apophyses. Segment VIII on average 1.5x as wide as long; tergum VIII with straight anterior and posterior margins; sternum VIII with broad V-shaped anterior and posterior emarginations. Antrum broad, V-shaped. Ductus bursae narrow near the antrum and smoothly expands upon transition to bursa copulatrix, in the anterior 2/3 strongly sclerotized along the entire circumference, in the posterior 1/6 departs ductus seminalis with a broad base. Corpus bursa spherical, signae absent.

Scopariinae

Scoparia subfusca Haworth, 1811

Material examined: Dyviziiia, 12-VI-2020, Ye. Khalaim leg., 1 ♂, gen. prep. ♂ 520.21s V. Yepishin.

Scoparia pyralella ([Denis & Schiffermüller], 1775)

Material examined: Kairy, at light, 7-8-VI-2020, V. Yepishin leg., 2 ♂, gen. prep. ♂ 688.22s, ♂ 689.22s V. Yepishin.

Eudonia lacustrata (Panzer, 1804)

Material examined: 4-6 km E Hradenytsi, 16-VI-2012, S. Novytskyi leg., 1 ♀, gen. prep. ♀ 676.22s V. Yepishin. Hradenytsi, 14-VI-2014, S. Novytskyi leg., 1 ♂, gen. prep. ♂ 677.22s V. Yepishin. Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 1 ♂, 1 ♀, gen. prep. ♂ 673.22g, ♀ 674.22g V. Yepishin.

Eudonia mercurella (Linnaeus, 1758)

Material examined: Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 647.22s V. Yepishin. Kovbasova Polyana, 18-VII-2020, Ye. Khalaim leg., 2 ♀, gen. prep. ♀ 648.22s V. Yepishin. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀, gen. prep. ♀ 675.22g V. Yepishin.

Eudonia pallida (Curtis, 1827)

Material examined: Hradenytsi, 4-IX-2015, S. Novytskyi leg., 1 ♀. Vylkove, 29-VIII-2020, Ye. Khalaim leg., 1 ♀.

Cholius luteolaris (Scopoli, 1772)

Material examined. Kairy, at light, 7-8-VI-2020, V. Yepishin leg., 1 ♀.

Heliothelinae

Heliothela wulfeniana (Scopoli, 1763)

Material examined: Hradenytsi, 16-VII-2016, S. Novytskyi leg., 1 ♂. Krasnosilka, 19-V-2020, Ye. Khalaim leg., 1 ♀.

Glaphyriinae

Evergestis frumentalis (Linnaeus, 1761)

Romaniszyn (1920, p. 82); Amsel (1959, p. 420) (*Loxostege*); Ermolenko (1999, p. 534).

Material examined: Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♀. Pymorske, 5-VI-2021, Ye. Khalaim leg., 1 ♀.

Evergestis desertalis (Hübner, [1813])

Material examined: Hradenytsi, 27-VII-2008, S. Novytskyi photographed, 1 specimen (SN).

Evergestis forficalis (Linnaeus, 1758)

Material examined: Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♂.

Evergestis extimalis (Scopoli, 1763)

Material examined: Hradenytsi, 30-VII-2006, S. Novytskyi photographed, 1 specimen (SN).

Evergestis limbata (Linnaeus, 1767)

Material examined: Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♂. NE vic. Lebedivka, 30-VII-2021, Ye. Khalaim & Yu. Kanarskiy leg., 1 ♀.

Evergestis pallidata (Hufnagel, 1767)

Material examined: Hradenytsi, 22-VII-2010, S. Novytskyi photographed, 1 specimen (SN).

Evergestis politalis ([Denis & Schiffermüller], 1775)

Material examined: Hradenytsi, 19-IV-2020, S. Novytskyi photographed, 1 specimen (SN).

Hyperlais claralis (Caradja, 1916)

Material examined: Kairy, at light, 7-8-VI-2020, V. Yepishin leg., 1 ♀. Roksolany, 23-VI-2020, Ye. Khalaim leg., 1 ♀. Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♂.

Hyperlais dulcinalis (Treitschke, 1835)

Yepishin et al. (2020, p. 105).

Odontiinae

Aporodes floralis (Hübner, [1809])

Yepishin et al. (2021, p. 378).

Material examined: Kairy, 7-VI-2020, V. Yepishin leg., 1 ♂. Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 3 ♀. Roksolany, 17-VI-2020, Ye. Khalaim leg., 1 ♀.

Cynaeda dentalis ([Denis & Schiffermüller], 1775)

Romaniszyn (1920, p. 83).

Material examined: Kairy, 26-VI-2020, Ye. Khalaim leg., 1 ♂. Severynivka, 12-13-IX-2020, at light, V. Yepishin leg., 1 ♂, 1 ♀; 15-16-IX-2021, at light, V. Yepishin leg., 3 ♂.

Cynaeda pustulalis (Hübner, [1823])

Material examined: Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♂.

Titanio normalis (Hübner, 1796)

Material examined: Severynivka forest, 27-V-1984, V. Nikolaev, 1 ♀. Kairy, 7-VI-2020, V. Yepishin leg., 1 ♂, 1 ♀.

Spilomelinae

Udea ferrugalis (Hübner, 1796)

Romaniszyn (1920, p. 83) (*Pionea*).

Material examined: Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 1 ♂. Prymorske, 25-VI-2021, Ye. Khalaim & V. Sergienko leg., 1 ♂, gen. prep. ♂ 565.21g V. Yepishin. Roksolany, 13-14-IX-2020, at light, V. Yepishin leg., 1 ♂; 2-3-X-2021, at light, V. Yepishin leg., 3 ♂, 1 ♀.

Udea fulvalis (Hübner, [1809])

Material examined: Hradenytsi, 23-VI-2012, S. Novytskyi leg., 1 ♂; 1-VII-2015, S. Novytskyi leg., 1 ♀.

Patania ruralis (Scopoli, 1763)

Material examined: Hradenytsi, 15-VIII-2015, S. Novytskyi leg., 1 ♀.

Mecyna flavalis ([Denis & Schiffermüller], 1775)

Material examined: Mykhailivka, 23-VII-2018, S. Novytskyi leg., 1 ♂. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavurka leg., 1 ♂.

Diasemiopsis ramburialis (Duponchel, [1834])

Yepishin et al. (2021, p. 379).

Dolicharthria stigmosalis (Herrich-Schäffer, [1848])

Material examined: Odesa, 6-VI-1982, V. Nikolaev, 2 ♂. Hradenytsi, 2-VI-2015, S. Novytskyi leg., 1 ♂. Kairy, 23-V-2020, Ye. Khalaim leg., 1 ♂. Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀.

Dolicharthria punctalis ([Denis & Schiffermüller], 1775)

Yepishin et al. (2021, p. 379).

Material examined: Dyviziia, 12-VI-2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 519.21s V. Yepishin. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavurka leg., 1 ♂.

Spoladea recurvalis (Fabricius, 1775)

Yepishin et al. (2021, p. 379).

Palpita vitrealis (Rossi, 1794)

Yepishin et al. (2021, p. 379).

Material examined: Hradenytsi, 23-VIII-2014, S. Novytskyi leg., 1 ♀.

Cydalima perspectalis (Walker, 1859)

Uzhevskaya (2017, p. 61); Uzhevskaya & Korytnianska (2018, p. 5-6).

Material examined: Prymorske, 3-4-VIII-2021, Ye. Khalaim leg., 1 ♂. Roksolany, 30-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♂.

Nomophila noctuella ([Denis & Schiffermüller], 1775)

Romaniszyn (1920, p. 82); Ermolenko (1999, p. 534).

Material examined: Roksolany, 2-3-X-2021, at light, V. Yepishin leg., 1 ♂.

Pyraustinae

Loxostege turbidalis (Treitschke, 1829)

Material examined: Prymorske, 25-VI-2021, Ye. Khalaim & V. Sergienko leg., 1 ♀.

Loxostege clathralis (Hübner, [1813])

Yepishin et al. (2020, p. 105).

Material examined: Prymorske, 12-VIII-2019, Ye. Khalaim leg., 1 ♀; 19-IX-2020, Ye. Khalaim leg., 1 ♂, 1 ♀, gen. prep. ♂ 493.21s, ♀ 494.21s V. Yepishin; 5-VI-2021, Ye. Khalaim leg., 1 ♂, 10 ♀, gen. prep. ♂ 563.21g V. Yepishin. Dyviziia, 15-VIII-2020, Ye. Khalaim leg., 1 ♂. Kubanka, 25-VIII-2020 Ye. Khalaim leg., 1 ♂.

Loxostege delibatica Szent-Ivány & Uhrík-Mészáros, 1942

Material examined: Hradenytsi, 19-IV-2020, S. Novytskyi leg., 1 ♂. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♂.

Loxostege sticticalis (Linnaeus, 1761)

Schugurow (1905, p. 45) (*Phlyctaenodes*); Romaniszyn (1920, p. 82) (*Phlyctaenodes*); Ermolenko (1999, p. 534) (*Margarita* [misspell]).

Material examined: Ruska Slobidka, 25-VII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀. Roksolany, 2-3-X-2021, at light, V. Yepishin leg., 1 ♂. The species were observed en masse in Odesa and Izmail in 2022.

Ecpyrrhorhoe rubiginalis (Hübner, 1796)

Amsel (1959, p. 420) (*Perinephele*).

Material examined: Murovana, 27-VII-2019, Ye. Khalaim leg., 1 ♂. Ruska Slobidka, 25-VII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♂. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♂.

Paracorsia repandalis ([Denis & Schiffermüller], 1775)

Material examined: Severynivka, 23-VIII-2018, S. Novytskyi leg., 1 ♂. Kardamycheve, 2-V-2020, Ye. Khalaim leg., 1 ♂. Prymorske, 3-4-VIII-2021, Ye. Khalaim leg., 1 ♂; 24-VII-2022, Ye. Khalaim leg., 1 ♀. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrka leg., 1 ♂.

Pyrausta sanguinalis (Linnaeus, 1767)

Material examined: Ruska Slobidka, 8-9-VI-2020, at light, V. Yepishin leg., 1 ♂. Kovbasova Polyana, 18-VII-2020, Ye. Khalaim leg., 1 ♀. Dyviziia, 15-VIII-2020 Ye. Khalaim leg., 1 ♂. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrka leg., 1 ♂. Trudomyrivka, 21-VIII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀.

Pyrausta despicata (Scopoli, 1763)

Romaniszyn (1920, p. 83) (*cespitalis*).

Material examined: Murovana, 27-VII-2019, Ye. Khalaim leg., 1 ♀. Ruska Slobidka, 25-VII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀. Severynivka, 15-16-IX-2021, at light, V. Yepishin leg., 1 ♂.

Pyrausta ostrinalis (Hübner, 1796)

Material examined: Hradenytsi, 23-VII-2016, S. Novytskyi leg., 1 ♀. Ruska Slobidka, at light, 8-9-VI-2020, V. Yepishin leg., 2 ♂; 25-VII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀.

Pyrausta cingulata f. *rectefascialis* Toll, 1936

Material examined: Ruska Slobidka, 22-VII-2017, S. Novytskyi leg., 1 ♂; 8-9-VI-2020, at light, V. Yepishin leg., 2 ♂. Kubanka, 25-VII-2020, Ye. Khalaim leg., 1 ♂. Vesela Dolyna, 14-VIII-2021, Ye. Khalaim, S. Novytskyi & V. Kavrka leg., 1 ♂.

Remarks: According to the ICZN, *P. rectefascialis* Toll, 1936 is a junior synonym of *P. cingulata* (Linnaeus, 1758) after they were synonymized by Leraut (2008) although discussions and research on this issue are ongoing to this day. Therefore, in the current work, the “forma” *rectefascialis* is used to show that our specimens phenotypically belong to *P. rectefascialis*.

Nascia cilialis (Hübner, 1796)

Material examined: Hradenytsi, 16-VIII-2014, S. Novytskyi leg., 1 ♀.

Sitochroa palealis ([Denis & Schiffermüller], 1775)

Material examined: Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♀.

Sitochroa verticalis (Linnaeus, 1758)

Romaniszyn (1920, p. 82) (*Phlyctaenodes*); Amsel (1959, p. 420).

Material examined: Dyviziiia, 12-VI-2020, Ye. Khalaim leg., 1 ♂, 1 ♀. Ruska Slobidka, 25-VII-2021, Ye. Khalaim & S. Novytskyi leg., 1 ♀.

Euclasta splendidalis (Herrich-Schäffer, [1848]) (Figures 11-14)

Yepishin et al. (2021, p. 380).

Material examined: Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♀.

Biology: The larvae of the first and second in-stars were observed on the lower surface of the leaves. First, young caterpillars gnaw only the lower leaf epidermis (windowpanes) (Figure 12), and then growing up, they gnaw through holes of a larger area in the leaf blade (Figure 13). Caterpillars hibernate, probably in the third instar in litter or soil. Pupation (probably in spring or early summer) takes place on the lower side of the leaf in a light silk cocoon, fastening and bending the leaf plate with silk (Figure 14). According to updated data, the adults are found (also attracted to the light) from early July to the middle of September.

Sclerocona acutella (Eversmann, 1842)

Material examined: Dyviziiia, 12-VI-2020, Ye. Khalaim leg., 1 ♀. Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♂. Prymorske, 5-VI-2021, Ye. Khalaim leg., 1 ♀.

Ostrinia palustralis (Hübner, 1796)

Romaniszyn (1920, p. 83) (*Pyrausta*); Ermolenko (1999, p. 533).

Material examined: Vylkove, 11-VII-2020, Ye. Khalaim leg., 1 ♂.

Ostrinia kasmirica (Moore, 1888) (Figure 10)

Material examined: Hradenytsi, 12-V-2012, 15-VIII-2015, S. Novytskyi leg., 2 ♀, gen. prep. ♀ 683.22s, ♀ 684.22s V. Yepishin.

Note: In *O. kasmirica*, both male and female have dark orange-brown wings contrary to almost exclusively light yellow-grey wings in *O. nubilalis* (Hübner, 1796) and *O. scapularis* (Walker, 1859). Other differences among these species are discussed by Slamka (2013) and Bidzilya and Budashkin (2017).

Ostrinia nubilalis (Hübner, 1796)

Schugurow (1905, p. 46) (*Pyrausta*); Ermolenko (1999, p. 533)

Material examined: 4-6 km E Hradenytsi, 17-V-2015, S. Novytskyi leg., 1 ♀, gen. prep. ♀ 679.22g V. Yepishin. Hradenytsi, 25-VI-2015, S. Novytskyi leg., 1 ♀, gen. prep. ♀ 682.22g V. Yepishin. Biliaivka, 22-VIII-2015, S. Novytskyi leg., 1 ♀, gen. prep. ♀ 680.22g V. Yepishin. Dyviziiia, 12-VI-

2020, Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 525.21s V. Yepishin; 15-VIII-2020 Ye. Khalaim leg., 1 ♀, gen. prep. ♀ 526.21g V. Yepishin. Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♀, gen. prep. ♀ 681.22g V. Yepishin.

Ostrinia scapularis (Walker, 1859)

Kosakevich (1978, p. 28).

Psammotis pulveralis (Hübner, 1796)

Ermolenko (1999, p. 534).

Material examined: Murovana, 27-VII-2019, Ye. Khalaim leg., 1 ♀. Kovbasova Polyana, 18-VII-2020, Ye. Khalaim leg., 1 ♂, 1 ♀.

Anania verbascalis ([Denis & Schiffermüller], 1775)

Ermolenko (1999, p. 534).

Material examined: Kovbasova Polyana, 18-VII-2020, Ye. Khalaim leg., 1 ♂.

Anania lancealis ([Denis & Schiffermüller], 1775)

Material examined: Vylkove, 23-V-2021, Ye. Khalaim, S. Novytskyi & V. Sergienko leg., 1 ♂.

Anania coronata (Hufnagel, 1767)

Material examined: Murovana, 8-VIII-2020, Ye. Khalaim leg., 1 ♂.

Anania stachydalis (Germar, 1821)

Material examined: Troitske, 2-VIII-2016, S. Novytskyi leg., 1 ♂.

Anania perlucidalis (Hübner, [1809])

Yepishin et al. (2021, p. 382).

Material examined: Hradenytsi, 25-VII-2015, S. Novytskyi leg., 1 ♀. Biliaivka, 22-VIII-2015, S. Novytskyi leg., 1 ♂. Dyviziiia, 15-VIII-2020 Ye. Khalaim leg., 1 ♀. Izmail, 18-VIII-2022, Ye. Khalaim leg., 1 ♂.

Anania crocealis (Hübner, 1796)

Material examined: Vylkove, 14-15-IX-2021, at light, V. Yepishin leg., 1 ♂.

Conclusions

Stemmatophora brunnealis (Treitschke, 1829) and *Episcythrastis tabidella* (Mann, 1864) (Pyralidae), previously known only from the Crimea, now are reported for continental Ukraine. 131 species are reported for the first time the studied region. A total of 191 species are known from the Odesa region.

Acknowledgments

We are very grateful to our colleagues who participated in the organization of trips, helped with the collecting material or the preparation of this work, especially V. Sergienko (Kyiv) and O. Bidzilya (Institute for Evolutionary Ecology, Kyiv). This work is done as a research project of the Pyraloidea of Ukraine within the Ukrainian State Budget Program “Support for the Development of Priority Areas of Scientific Research” (Code: 6541230) (V. Yepishin).

References

- Amsel, H. G. (1959). Microlepidopteren aus dem Kaukasus und der Ukraine. *Acta Entomologica Musei Nationalis Pragae*, 33(560), 419-422.
- Bidzilya, A. V., Bidyachak, R. M., Budashkin, Yu. I., Demyanenko, S. A., & Zhakov A. V. (2014). New and interesting records of Microlepidoptera (Lepidoptera) from Ukraine. Contribution 3. *Optimization and Protection of Ecosystems*, 11(30), 3-17. [in Russian]
- Bidzilya, O. V., & Budashkin, Yu. I. (2017). New records of Lepidoptera from Ukraine and description of a new species of *Caloptilia* Hübner, 1825 (Lepidoptera, Gracillariidae) from the mountains of Crimea. *Nota lepidopterologica*, 40(2), 145-161. <https://doi.org/10.3897/nl.40.13085>
- Bidzilya, A. V., Budashkin, Yu. I., Zhakov, A. V., & Kotjuk, I. Yu. (2011). New and interesting records of Microlepidoptera (Lepidoptera) from Ukraine. *Eversmannia*, 25-26, 64-74. [in Russian].
- Ermolenko, V. M. (1999). Annex 8. Annotated list of lepidopterans found in the DBR.- In Yu. R. Shelyag-Sosonko (ed.) *Biodiversity of the Dunaisky Biosphere Reserve, protection and management* (pp. 533-538). Naukova Dumka - InterEkoTsentr. [in Ukrainian]
- Goater, B., Nuss, M., & Speidel, W. (2005). Pyraloidea I (Crambidae: Acentropinae, Evergestinae, Heliothelinae, Schoenobiinae, Scopariinae). In P. Huemer & O. Karsholt (eds.) *Microlepidoptera of Europe* (Vol. 4). Apollo Books. <https://doi.org/10.1163/9789004475489>
- Kosakevich, Z. M. (1978). Corn borer *Ostrinia scapularis* Walker (Lepidoptera, Pyraustidae) in the Ukraine. *Vestnik Zoologii*, 2, 27-30. [in Russian, abstract in English]
- Léger, T., Mally, R., Neinhuis, C., & Nuss, M. (2020). Refining the phylogeny of Crambidae with complete sampling of subfamilies (Lepidoptera, Pyraloidea). *Zoologica Scripta*, 2021, 50(1), 84-99. <https://doi.org/10.1111/zsc.12452>
- Lepiforum (2023). *Talis olgae*. https://lepiforum.org/wiki/page/Talis_olgae
- Poltavsky, A. N., Artokhin, K. S., & Poltavsky, M. A. (2016). The Pyraloidea (Lepidoptera) of the Rostov-on-Don Province of Russia. II. Family Crambidae (subfamily Crambinae). *Entomologist's Gazette*, 67, 85-103.
- Poltavsky, A. N., Sinev, S. Yu., & Matov, A. Yu. (2013). New data on Pyraloidea and Noctuoidea (Lepidoptera) rare species distribution basing on materials from Rostov Region (Russia). *Caucasian Entomological Bulletin*, 9(2), 283-291. [in Russian]. <https://doi.org/10.23885/1814-3326-2013-9-2-283-291>
- Regier, J. C., Mitter, C., Solis, M. A., Hayden, J. E., Landry, B., Nuss, M., Simonsen, T. J., Yen, S.-H., Zwick, A., & Cummings, M. P. (2012). A molecular phylogeny for the pyraloid moths (Lepidoptera: Pyraloidea) and its implications for higher-level classification. *Systematic Entomology*, 37, 635-656. <https://doi.org/10.1111/j.1365-3113.2012.00641.x>
- Romaniszyn, J. (1920). Motyle z okolic Odessy zebrane w roku 1918 i 1919 [Die Schmetterlinge der Umgebung von Odessa gesammelt im Jahre 1918 und 1919]. *Kosmos*, 45, 59-86.
- Schugurov, A. M. (1905). Zur Lepidopteren-fauna des Chersoner-Gouvernements. *Zapiski Novorossijskago Obshchestva Estestvoispytatelej*, 29, 1-48. [in Russian]
- Sinev, S. Yu. (2019). *Catalogue of the Lepidoptera of Russia. Edition 2*. Zoological Institute RAS. [in Russian]
- Slamka, F. (2006). *Pyraloidea of Europe (Lepidoptera)*, Pyralinae, Galleriinae, Epipaschiinae, Cathariinae & Odontiinae (Vol. 1). F. Slamka. [supplemented 2 edition, 2011]
- Slamka, F. (2008). *Pyraloidea of Europe (Lepidoptera)*, Crambinae & Schoenobiinae (Vol. 2). F. Slamka.
- Slamka, F. (2013). *Pyraloidea of Europe (Lepidoptera)*, Pyraustinae & Spilomelinae (Vol. 3). F. Slamka.
- Slamka, F. (2019). *Pyraloidea of Europe (Lepidoptera)*, Phycitinae - Part 1 (Vol. 4). F. Slamka.
- Sovinskij, V. V. (1935). Über die Pyralididen der Kiewer Provinz. *Travaux de la station biologique du Dniepre*, 15, 47-139. [in Ukrainian, summary in Russian and German].
- Uzhevskaya, S. F. (2017). Invasive species of insects in Odessa region. *Izvestia of A. A. Brauner Museum Fund*, 14(3-4), 57-64. [in Russian]
- Uzhevskaya, S. P., & Korytnianska, V. G. (2018). A new records of *Cydalima perspectalis* (Lepidoptera, Crambidae) in the South of Ukraine. *Ukrainska Entomofaunistyka*, 9(1), 5-7. [in Ukrainian, abstract in English]
- Yepishin, V., Bidzilya, O., Budashkin, Yu., Zhakov, O., Mushynskiy, V., & Novytskyi, S. (2020). New records of little known pyraloid moths (Lepidoptera: Pyraloidea) from Ukraine. *Zootaxa*, 4808(1), 101-120. <https://doi.org/10.11646/zootaxa.4808.1.5>
- Yepishin, V., Khalaim, Ye., Budashkin, Yu., Zhakov, O., Mushynskiy, V., & Novytskyi, S. (2021). New records of

pyraloid moths (Lepidoptera: Pyraloidea) from different regions of Ukraine. *Zootaxa*, 5023(3), 366-388.
<https://doi.org/10.11646/zootaxa.5023.3.3>

*Viktor Yepishin
Institute for Evolutionary Ecology
National Academy of Sciences of Ukraine
37, Academician Lebediev St.,
03143, Kyiv
UCRANIA / UKRAINE
E-mail: viktoryepishin@gmail.com
<https://orcid.org/0000-0002-8751-2820>

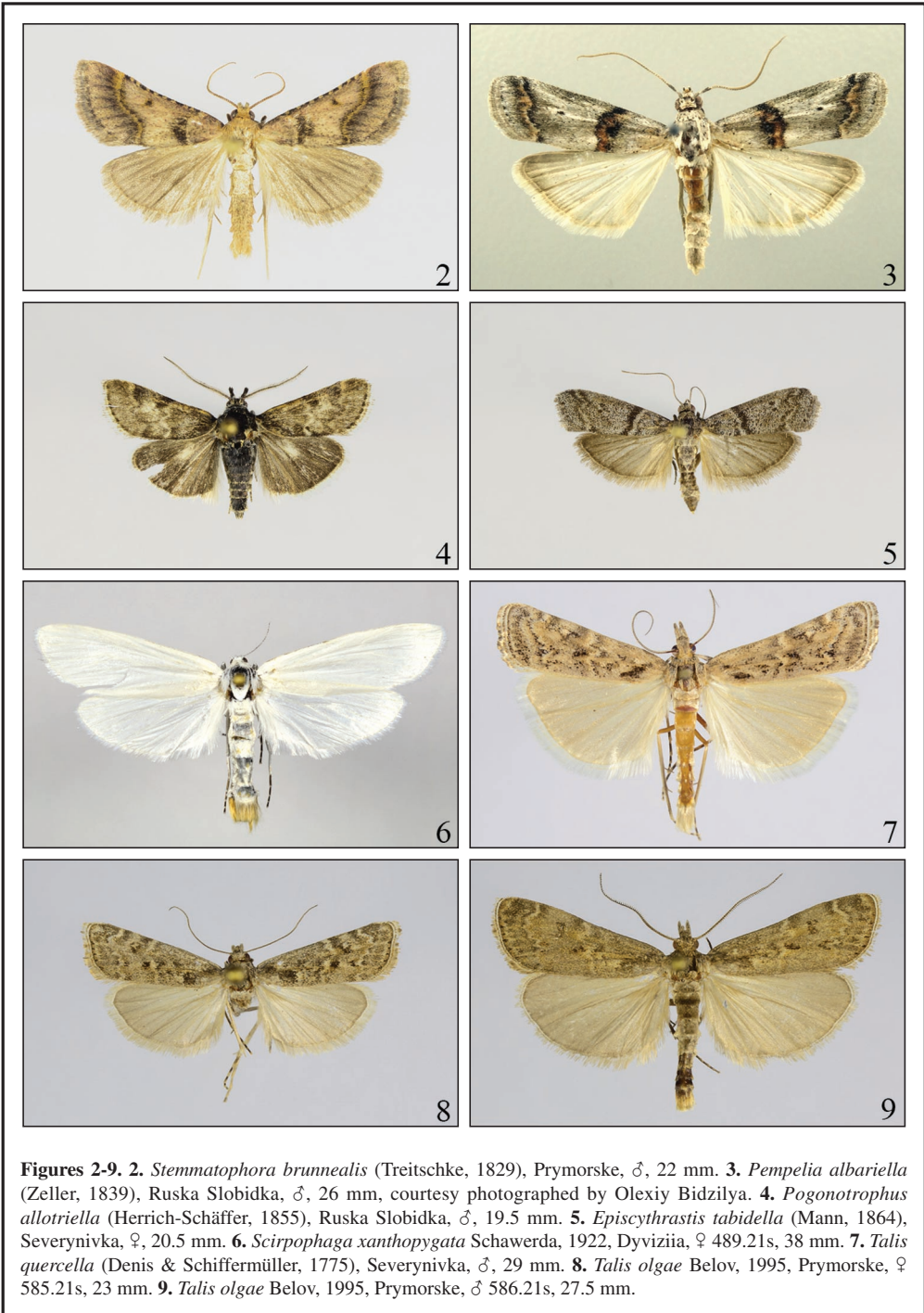
Yevhenii Khalaim
Tuzly Lagoons National Nature Park
2, Partyzanska St.
68100, Tatarbunary, Odesa region
UCRANIA / UKRAINE
E-mail: 3029376@gmail.com
<https://orcid.org/0000-0003-4102-4861>

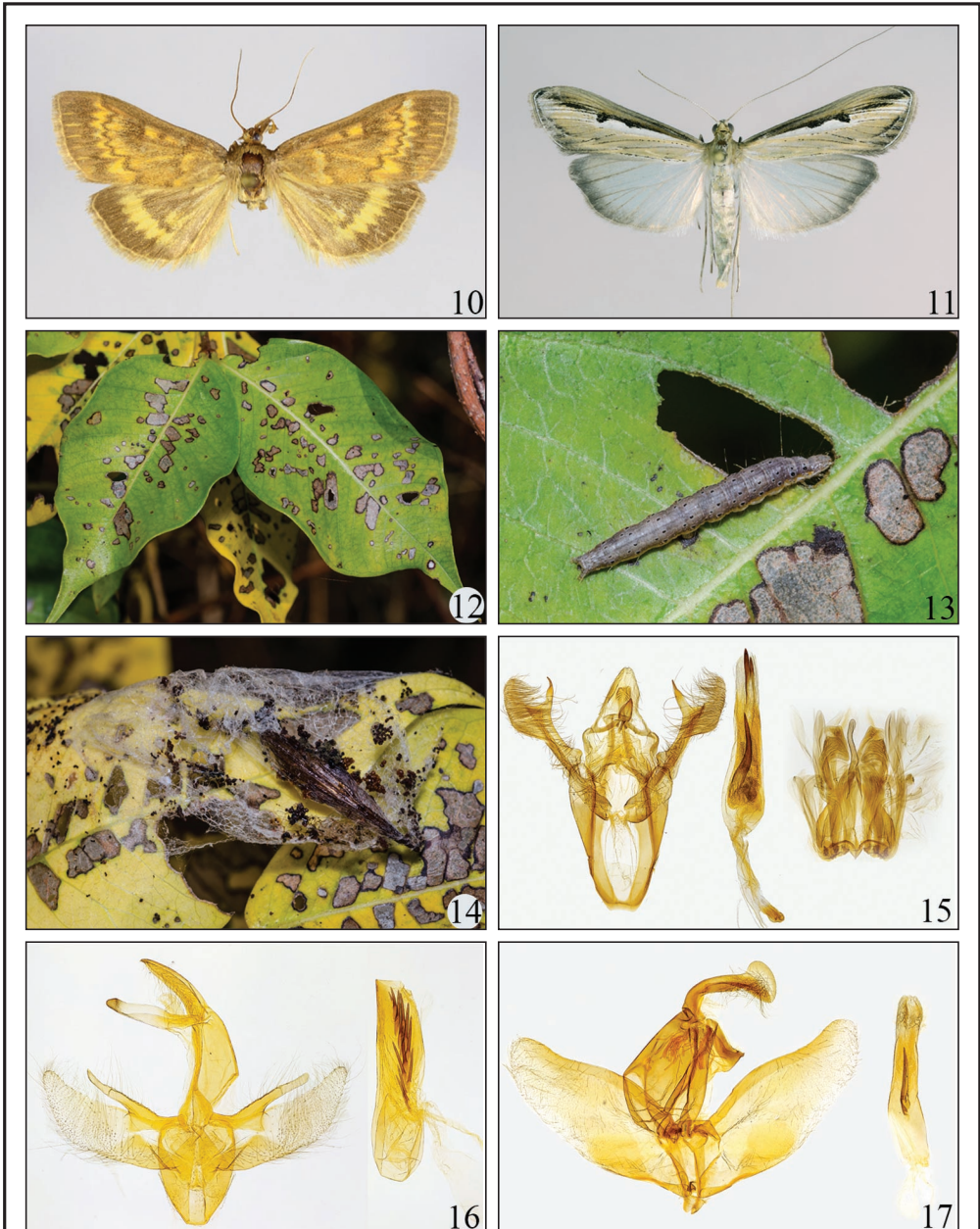
Sergiy Novytskyi
Hradenytsi
Odesa region
UCRANIA / UKRAINE
E-mail: sergey@novitckiy.com.ua
<https://orcid.org/0000-0003-2271-3792>

*Autor para la correspondencia / *Corresponding author*

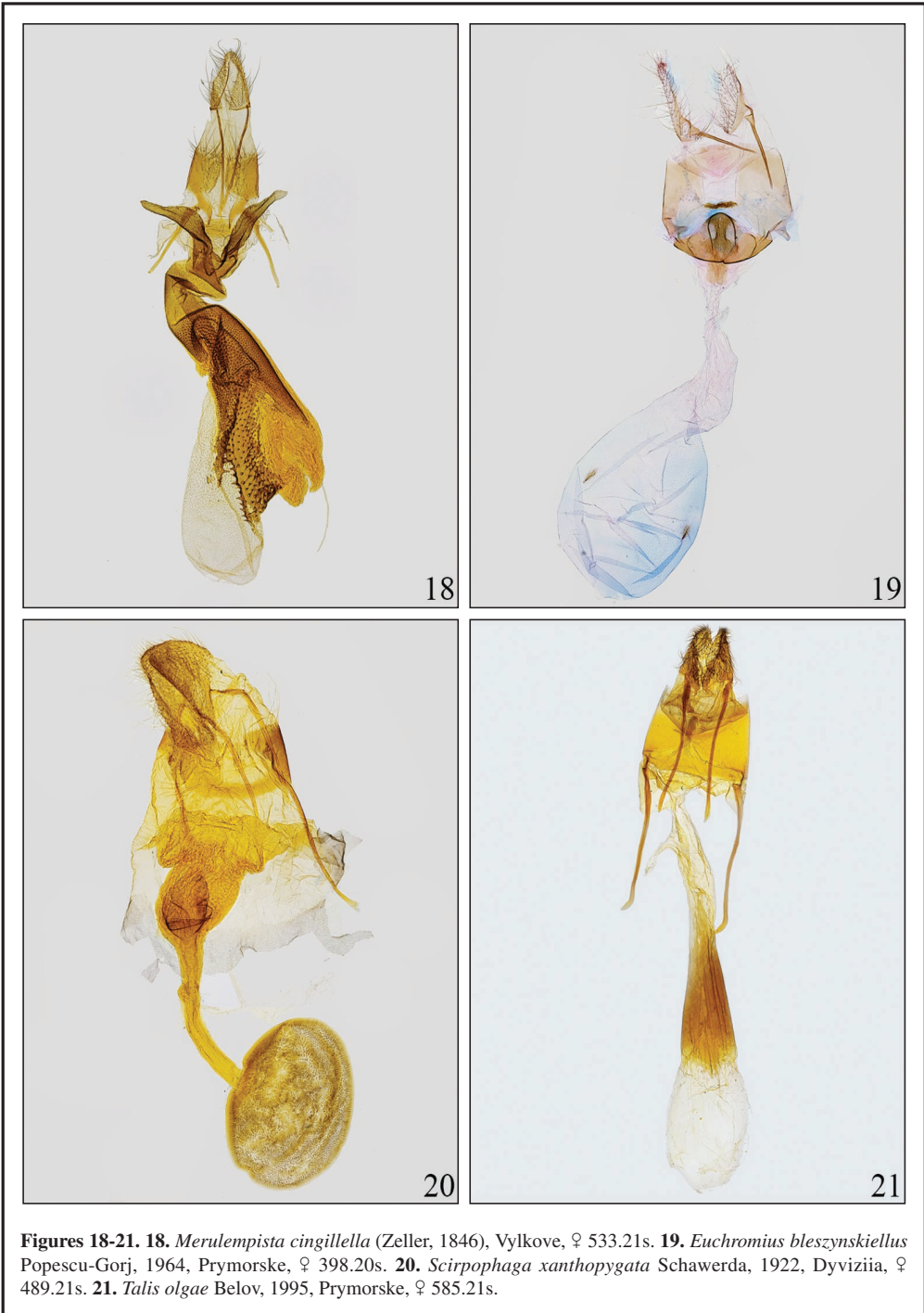
(Recibido para publicación / *Received for publication* 8-III-2023)
(Revisado y aceptado / *Revised and accepted* 29-VII-2023)
(Publicado / *Published* 30-III-2024)

Derechos de autor: El autor(es). Este es un artículo de acceso abierto distribuido bajo los términos de la Licencia de Reconocimiento 4.0 Internacional de Creative Commons (CC BY 4.0), que permite el uso, distribución y reproducción sin restricciones en cualquier medio, siempre que se cite al autor original y la fuente. / **Copyright:** The author(s). This is an open access article distributed under the terms of the Creative Commons Attribution 4.0 International License (CC BY 4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.





Figures 10-17. **10.** *Ostrinia kasmirica* (Moore, 1888), Hradenytsi, ♀ 683.22s, 29 mm. **11.** *Euclasta splendida* (Herrich-Schäffer, [1848]), Vylkove, ♀, 30 mm. **12.** leaf damage by larvae of *E. splendida*. **13.** middle instar larva of *E. splendida*. **14.** cocoon and exuvia of pupa of *E. splendida*. **15.** *Merulempista cingillella* (Zeller, 1846), Vylkove, ♂ 534.21s. **16.** *Agriphila tolli* (Bleszyński, 1952), Prymorske, ♂ 515.21s. **17.** *Talis olgae* Belov, 1995, Prymorske, ♂ 586.21s.



Figures 18-21. 18. *Merulempista cingillella* (Zeller, 1846), Vylkove, ♀ 533.21s. 19. *Euchromius bleszynskiellus* Popescu-Gorj, 1964, Prymorske, ♀ 398.20s. 20. *Scirpophaga xanthopygata* Schawerda, 1922, Dyviziia, ♀ 489.21s. 21. *Talis olgae* Belov, 1995, Prymorske, ♀ 585.21s.