

NEW AND RARE COLEOPTERA SPECIES IN LITHUANIA

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Introduction

Beetle fauna in Strošiūnai forest was not studied before 2007, so investigation in this area was very important in order to compile the list of beetles. Some research was carried out in Ukmergė district in last years by N. Noreika (Noreika, 2009), G. Švitra, A. Aliukonis (Aliukonis, Švitra, 2009). General investigation of Coleoptera fauna was carried out in Pašilė forests, but Cerambycidae were selected for deeper analysis.

Key forest habitats (KFH) are of higher interest to scientists in these later years and their inventorisation was performed in 2011 (Valstybinis miškotvarkos institutas, 2011). There is a high probability to find rare beetle species *Cucujus cinnaberinus* and *Boros schneideri* in key forest habitats.

Material and methods

Investigation was carried out in 2007–2011 m. In two territories in Lithuania: Kaišiadorys district, Strošiūnai šilas forest (performed by D. Stanionis) and Ukmergė district Pašilė forestry forests (performed by T. Petrikas). Main goal of the study was to compile a list of the beetles of these territories with main attention to diversity of Cerambycidae in Ukmergė district. Selected key forest habitats were investigated in 2011 (Ukmergė district - 4; Kaišiadorys district - 4), most effort given for searching of *Cucujus cinnaberinus* and *Boros schneideri*.

Table 1. Number of beetles collected in Strošiūnai šilas forest by different methods

Methods	Barber's traps	Feromone traps	Other
Number of specimens	219	266	307

Methods were adopted from P. Ivinskis recommendations (Ivinskis, 2000) with some modifications after consultancy with R. Ferenca.

Beetles were collected using several standard methods like collecting from trees and bushes, inspection under the bark and on decomposing trees or stumps, rearing of preimaginal stages, light trap (150W heat lamp), by means of entomological net (beetles were collected in forest fields or meadows by visually dividing a meadow into 5 transects and catching beetles by going for 20 meters in every transect).

Barber's traps and pheromone traps were also used. Barber's traps were placed in a row of 5 traps, each 5m away, two rows in one territory. „Ipsodor“ pheromone (Z.D. Chemija) made for attracting of bark beetles was used in pheromone traps and larger part of the specimens in Strošiūnai šilas forest was collected by these traps (Table 1).

Different bait traps were also used with pork stuffing, fermenting kvass, sap, rotting and fresh fruit and vegetables placed inside 5 litre size plastic bottles that were hung on the branches or dug into earth in different places. Beetles were also attracted by humidity by placing a freshly cut grass into piles and checking those piles after several days.

Water beetles were caught with bait traps made of 2,5—5 l size plastic bottles with pork stuffing inside.

During the search for *Cucujus cinnaberinus* and *Boros schneideri* drying or dried trees with trunks of 20cm or wider were checked (pine trees affected by xylophagous insects – for *B. schneideri*; willows, aspen, oak and elm trees affected by xylophags – for *C. cinnaberinus*). Bark was checked at the height of 50–150 cm above the ground. If adults or larvae were found, they were counted and the bark fixed back to the tree. All the trees potentially suitable for these beetle species were also counted.

Beetles were identified using different identification keys (Lešinskas & Pileckis, 1967; Zahradik, 1985; Pileckis & Monsevičius, 1995, 1997; Chinery, 1997; Bellmann, 1999; Milan, 2006; Slama, 2006; Dvorak & Vrabec, 2007; Novak, 2007).

Identified material was also checked by Romas Ferencas, head of the Department of Invertebrates, T. Ivanauskas Zoological museum, Kaunas.

List of localities

Kaišiadorys district	Strošiūnų Šilas f. 20 square	54°49'35,7"N, 024°31'45,8"E
	Strošiūnų Šilas f. 24 square	54°49'12,5"N, 024°30'29,1"E
	Strošiūnų Šilas f. 25 square	54°49'13,9"N, 024°31'19,7"E
	Strošiūnų Šilas f. square	54°49'01,5"N, 024°28'45,4"E
	KMB No 673402	54°48'19,3"N, 024°33'21,1"E
	KMB No 663502	54°49'47,5"N, 024°28'20,1"E
	KMB Nro 663503	54°50'09,9"N, 024°29'04,8"E
	KMB No 663501	54°50'06,1"N, 024°29'05,0"E
	Triliškės	54°49'20,2"N, 024°27'35,5"E
	Kunigo Upelis river	54°49'18,1"N, 024°26'51,8"E
Vilnius t.	Vingio Parkas f.	54°41'28,4"N, 025°14'21,9"E
Ukmergė district	Vytinėlės Miškas f. 7 square	55°13'23,9"N, 024°44'41,0"E
	Vytinėlės Miškas f. 8 square	55°13'09,3"N, 024°44'54,0"E
	Vytinėlės Miškas f. 9 square	55°13'43,5"N, 024°44'56,9"E
	Vytinėlės Miškas f. 15 square	55°12'59,3"N, 024°46'00,7"E
	Šlaito Miškas f. 75 square	55°11'53,0"N, 024°45'19,5"E
	Bugenėlių Miškas f. 46 square	55°12'52,4"N, 024°43'47,6"E
	Bugenėlių Miškas f. 47 square	55°12'45,6"N, 024°44'23,2"E
	Šaltupės Miškas f. 57 square	55°11'36,7"N, 024°43'25,3"E
	Šaltupės Miškas f. 60 square.	55°11'47,8"N, 024°43'21,6"E
	KMB No 704401	55°13'10,9"N, 024°48'27,1"E
	KMB No 704402	55°12'59,1"N, 024°48'22,1"E
	KMB No 694403	55°13'24,3"N, 024°44'29,4"E
	KMB No 694405	55°12'57,8"N, 024°43'37,0"E
Ukmergė t.	Linų street	55°14'18,3"N, 024°46'31,6"E

List of species

CARABIDAE

Amara equestris (Duftschmid, 1812)

Strošiūnų Šilas f. 28 square, 28 08 2008, 1 spec., 03 08 2009, 1 spec. (D.S.)

Anisodactylus nemorivagus (Duftschmid, 1812)

Strošiūnų Šilas f. 28 square, 12 04 2008, 13 spec., 21 04 2008, 1 spec. (D.S.);
Triliškės, 18 07 2007, 1 spec. (D.S.).

Carabus convexus Fabricius, 1775

Strošiūnų Šilas f. 28 square, 21 04 2008, 1 spec., 26 04 2009, 1 spec. (D.S.);
Triliškės, 19 04 2008, 1 spec., 12 04 2008, 5 spec., 26 04 2008, 1 spec., 03 05 2008, 1
spec. (D.S.).

Carabus nitens Linnaeus, 1758

Strošiūnų Šilas f. 28 square, 03 05 2008, 1 spec. (D.S.).

Harpalus laevipes Zetterstedt, 1828

Strošiūnų Šilas f. 28 square, 27 06 2009, 1 spec. (D.S.).

Harpalus progradiens Schauberger, 1922

Strošiūnų Šilas f. 28 square, 02 05 2009, 1 spec. (D.S.).

Pseudoophonus rufipes (DeGeer, 1774)

Strošiūnų Šilas f. 28 square, 28 06 2009, 1 spec. (D.S.).

DYTISCIDAE

Agabus sturmii (Gyllenhal, 1808)

Kunigo Upelis river, 17 05 2007, 3 spec. (D.S.).

Hydroporus planus (Fabricius, 1781)

Kunigo Upelis river, 13 06 2009, 2 spec. (D.S.).

Hygrotus impressopunctatus (Schaller, 1783)

Kunigo Upelis river, 13 06 2009, 1 spec. (D.S.).

Ilybius guttiger (Gyllenhal, 1808)

Kunigo Upelis river, 17 05 2007, 1 spec. (D.S.).

HYDROPHILIDAE

Helophorus aquaticus (Linnaeus, 1758)

Kunigo Upelis river, 13 06 2009, 3 spec. (D.S.).

SPHAERITIDAE

Sphaerites glabratus (Fabricius, 1792)

Strošiūnų Šilas f. 28 square, 12 04 2008, 1 spec. (D.S.).

HISTERIDAE

Hololepta plana (Sulzer, 1776)

Vytinėlės Miškas f. 7 square, 22 06 2008, 1 spec. (T.P.).

SILPHIDAE

Xylodrepa quadripunctata (Linnaeus, 1761)

Triliškės, 03 05 2008, 1 spec. (D.S.).

STAPHYLINIDAE

Bolitobius formosus (Gravenhorst, 1806)

Strošiūnų Šilas f. 28 square, 12 04 2008, 1 spec. (D.S.).

Emus hirtus (Linnaeus, 1758)

Vytinėlės Miškas f. 7 square, 01 05 2008, 1 spec., 02 05 2008, 2 spec. (T.P.);

Strošiūnų Šilas f. 24 square, 25 05 2008, 1 spec. (D.S.).

***Ocyphus brunnipus* (Fabricius, 1781)**

Triliškės, 17 04 2009, 1 spec. (D.S.).

***Platydracus stercorarius* (Olivier, 1795)**

Strošiūnų Šilas f. 28 square, 04 07 2009, 1 spec., 13 07 2009, 1 spec. (D.S.).

SCARABAEIDAE

***Liocola marmorata* (Fabricius, 1792)**

Strošiūnų Šilas f. 24 square, 19 07 2008, 1 egz (D.S.); Vytinėlės Miškas f. 9 square, 207 06 2009, 1 spec. (T.P.).

***Oxythyrea funesta* (Poda, 1761)**

Strošiūnų Šilas f. 24 square, 19 07 2008, 1 egz (D.S.); Strošiūnų Šilas f. 25 square, 15 06 2008, 1 spec. (D.S.)

***Onthophagus fracticornis* (Preyssler, 1790)**

Vytinėlės Miškas f. 7 square, 09 05 2008, 1 spec. (T.P.).

BUPRESTIDAE

***Chrysobothris affinis* (Fabricius, 1794)**

Strošiūnų Šilas f. 20 square, 02 08 2007, 1 spec. (D.S.); Šaltupės Miškas f. 60 square, 29 06 2008, 4 spec. (T.P.).

ELATERIDAE

***Harminius undulatus* (DeGeer, 1774)**

Bugenėlių Miškas f. 46 square, 07 06 2008, 2 spec. (T.P.).

TROGOSITIDAE

***Peltis grossa* (Linnaeus, 1758)**

Strošiūnų Šilas f. 20 square, 03 07 2009, 1 spec. (D.S.); Strošiūnų Šilas f. 25 square, 25 05 2008, 1 spec., 06 06 2008, 1 spec., 15 06 2008, 1 spec. (D.S.); Vytinėlės Miškas f. 15 square, 02 11 2008, 2 spec. (T.P.); Vytinėlės Miškas f. 9 square, 31 10 2008, 1 spec. (T.P.); Šaltupės Miškas f. 57 square, 07 06 2008, 1 spec. (T.P.).

Ostoma furruginea

Vytinėlės Miškas f. 9 square, 31 10 2008, 1 spec. (T.P.).

CUCUJIDAE

***Cucujus cinnaberinus* (Scopoli, 1763)**

Strošiūnų Šilas f. 25 square, 06 06 2008, 1 spec. (D.S.); Vytinėlės Miškas f. 7 square, 02 11 2009, 2 spec., 27 10 2007, 2 spec. (T.P.); Vytinėlės Miškas f. 9 square 02 11 2008, 1 spec. (T.P.); Vytinėlės Miškas f. 44 square, 04 05 2008, 1 spec. (T.P.); Šaltupės Miškas f. 60 square, 26 10 2008, 1 spec. (T.P.); Bugenėlių Miškas f. 46 square, 29 02 2008, 1 spec. (T.P.); KMB No 694405, 14 05 2011, 2 spec. (larvae) and 2 spec. (reared in laboratory) (D.S. iand T.P.).

***Dendrophagus crenatus* (Paykull, 1799)**

Strošiūnų Šilas f. 20 square, 24 05 2009, 1 spec. (D.S.); Vingio Parkas f., 28 02 2008, 1 spec. (D.S.).

LAEMOPHLOEIDAE

***Laemophloeus muticus* (Fabricius, 1781)**

Strošiūnų Šilas f. 20 square, 08 07 2009, 1 spec. (D.S.).

COCCINELLIDAE

***Semiadalia notata* (Laicharting, 1781)**

Triliškės, 08 09 2007, 1 spec., 19 09 2007, 1 spec. (D.S.).

MYCETHOPHAGIDAE

***Mycethophagus ater* (Reitter, 1879)**

Strošiūnų Šilas f. 24 square, 25 05 2008, 1 spec. (D.S.).

MELANDRYIDAE

***Dircea australis* Fairmaire, 1856**

Vytinėlės Miškas f. 7 square, 30 06 2008, 2 spec. (T.P.).

MORDELLIDAE

***Mordella holomelaena* Apfelbeck, 1914**

Strošiūnų Šilas f. 28 square, 25 06 2009, 1 spec., 08 07 2009, 1 spec. (D.S.).

***Mordellistena pumila* (Gyllenhal, 1810)**

Strošiūnų Šilas f. 28 square, 04 07 2009, 1 spec. (D.S.).

TENEBRIONIDAE

***Uloma culinaris* (Linnaeus, 1758)**

Šlaito Miškas f. 75 square, 20 05 2008, 1 spec. (T.P.); Vytinėlės Miškas f. 7 square, 02 11 2009, 4 spec. (T.P.).

***Platydema violaceum* (Fabricius, 1790)**

Šaltupės Miškas f. 60 square, 26 10 2008, 2 spec. (T.P.); Vytinėlės Miškas f. 7 square, 02 11 2009, 3 spec. (T.P.).

MELOIDEA

***Meloe brevicollis* Panzer, 1793**

Vytinėlės Miškas f. 7 square, 03 05 2008, 1 spec. (T.P.).

***Meloe violaceus* Marsham, 1802**

Vytinėlės Miškas f. 7 square, 04 05 2008, 1 spec. (T.P.).

BORIDAE

***Boros schneideri* (Panzer, 1795)**

Vytinėlės Miškas f. 7 square, 03 11 2007, 1 spec., 02 11 2009, 1 spec. (T.P.).

CERAMBYCIDAE

***Acanthoderes clavipes* (Schrank, 1781)**

Linų g., 08 06 2007, 1 spec. (T.P.); Šaltupės Miškas f. 60 square, 07 06 2008, 1 spec., 08 06 2008, 2 spec. (T.P.); Vytinėlės Miškas f. 7 square, 13 06 2009, 1 spec. (T.P.).

***Anaesthetis testacea* (Fabricius, 1781)**

Vytinėlės Miškas f. 8 square, 28 06 2009, 1 spec. (T.P.).

***Anoplodera sexguttata* (Fabricius, 1775)**

Šlaito Miškas f. 75 square, 12 07 2008, 1 spec. (T.P.); Bugenėlių Miškas f. 46 square, 06 08 2008, 1 spec. (T.P.).

***Clytus arietis* (Linnaeus, 1758)**

Šaltupės Miškas f. 60 square, 07 06 2008, 1 spec., 21 06 2008, 1 spec. (T.P.);

Vytinėlės Miškas f. 7 square, 11 05 2008, 1 spec., 17 05 2009, 1 spec. (T.P.);

Vytinėlės Miškas f. 9 square, 09 05 2009, 1 spec. (T.P.).

***Cortodera femorata* (Fabricius, 1787)**

Vytinėlės Miškas f. 7 square, 04 05 2008, 1 spec. (T.P.); Vytinėlės Miškas f. 9 square, 17 05 2009, 1 spec. (T.P.).

***Leptura mimica* Bates, 1884**

Šlaito Miškas f. 75 square, 26 07 2008 1 spec. (T.P.); Bugenėlių Miškas f. 46 square, 23 07 2008, 1 spec. (T.P.).

***Obrium cantharinum* (Linnaeus, 1767)**

Šaltupės Miškas f. 60 square, 12 07 2008, 1 spec. (T.P.).

***Phymatodes alni* (Linnaeus, 1767)**

Strošiūnų Šilas f. 24 square, 30 05 2008, 1 spec. (D.S.); Triliškės, 01 03 2009, 1 spec. (D.S.); Bugenėlių Miškas f., 47 square, 12 07 2008, 1 spec. (T.P.).

***Phymatodes testaceus* (Linnaeus, 1758)**

Šaltupės Miškas f. 60 square, 01 06 2008, 1 spec. (T.P.); Vytinėlės Miškas f. 9 square, 08 09 2007, 1 spec., 27 06 2009, 1 spec., 28 06 2009, 2 spec. (T.P.).

***Plagionotus arcuatus* (Linnaeus, 1758)**

Vytinėlės Miškas f. 9 kv., 17 05 2009, 2 spec., 14 06 2009, 1 spec. (T.P.); Šlaito Miškas f. 75 square, 09 05 2009, 1 spec. (T.P.); Šaltupės Miškas f. 60 kv., 01 06 2008, 2 spec., 08 06 2009, 1 spec., 21 06 2008, 1 spec., 01 07 2008, 1 spec., 17 05 2009, 1 spec. (T.P.); Strošiūnų Šilas f. 24 kv., 25 05 2008, 1 spec. (D.S.).

***Plagionotus detritus* (Linnaeus, 1758)**

Vytinėlės Miškas f. 7 square, 23 08 2008, 2 spec. (T.P.); Vytinėlės Miškas f. 9 square, 09 05 2009, 1 spec., 09 08 2009, 1 spec. (T.P.); Šlaito Miškas f. 75 square, 20 09 2008, 1 spec., 13 06 2009, 1 spec. (T.P.); Bugenėlių Miškas f. 45 square, 05 05 2008, 1 spec., 19 05 2008, 1 spec. (T.P.).

***Prionus coriarus* (Linnaeus, 1758)**

Strošiūnų Šilas f. 25 square, 02 08 2007, 1 spec., 04 08 2009, 1 spec. (D.S.); Triliškės, 03 08 2008, 1 spec. (D.S.).

***Ropalopus macropus* (Germar, 1824)**

Šaltupės Miškas f. 57 square, 18 05 2008, 1 spec., 01 06 2008, 1 spec. (T.P.); Šaltupės Miškas f. 60 square, 27 05 2008, 1 spec. (T.P.); Vytinėlės Miškas f. 9 square, 31 05 2008, 1 spec. (T.P.).

***Rhamnusium bicolor* (Schrank, 1781)**

Linų street, 08 06 2008, 1 spec., 28 06 2008, 1 spec. (T.P.).

***Saperda perforata* (Pallas, 1773)**

Šaltupės Miškas f. 60 square 08 06 2008, 3 spec. (T.P.); Bugenėlių Miškas f. 47 square, 12 07 2008, 1 spec. (T.P.).

CHrysomellidae***Cassida vittata* Villers, 1789**

Strošiūnų Šilas f. 28 square, 26 08 2009, 1 spec. (D.S.).

***Hypocassida rubferruginea* (Schrank, 1776)**

Triliškės, 06 06 2007, 1 spec. (D.S.).

***Sphaeroderma testaceum* (Fabricius, 1775)**

Triliškės, 09 07 2007, 1 spec. (D.S.).

Anthribidae***Platyrhinus resinosus* (Scopoli, 1763)**

Vytinėlės Miškas f. 9 square, 28 06 2008, 1 spec. (T.P.).

Curculionidae***Apion frumentarium* (Linnaeus, 1758)**

Triliškės, 09 07 2007, 1 spec. (D.S.).

***Baris artemisiae* (Herbst, 1795)**

Triliškės, 06 06 2007, 1 spec. (D.S.).

Scolytidae***Trypodendron domesticum* (Linnaeus, 1758)**

Triliškės, 13 03 2009, 2 spec. (D.S.).

Discussion

A license to search for new habitats of *Cucujus cinnaberinus* and *Borus schneideri* in key forest habitats (KFH) of Kaišiadorys and Ukmergė districts was issued by Environmental Protection Agency in 2011. Eight KFH were chosen in those territories, four in each. All potentially suitable trees were inspected, results given in tables 2-3.

Table 2. Results of search sites of *Cucujus cinnaberinus* in 2011.

Data of research and weather conditions	Time	Locality	No of specimens ¹	Number of potentially suitable trees	Evaluation of the site ²
14 05 2011, cloudy with bright periods, ~15°C	15:10	Ukmergė distr., KFH No. 694403	I0 L0	0	4 points
	16:21	Ukmergė distr., KFH No. 694405	I6 L0	11	3 points
15 05 2011, cloudy with bright periods, ~18°C	11:55	Ukmergė distr., KFH No. 704401	I0 L0	11	3 points
	13:10	Ukmergė distr., KFH No. 704402	I0 L0	8	4 points
29 05 2011, cloudy with bright periods, ~23°C	14:30	Kaišiadorys distr., KFH No. 673402	I0 L0	0	4 points
17 09 2011, sunny, ~18°C	13:05	Kaišiadorys distr., KFH No. 663502	I0 L0	11	3 points
	14:20	Kaišiadorys distr., KFH No. 663503	I0 L0	10	3 points
	14:50	Kaišiadorys distr., KFH No. 663501	I0 L0	6	4 points

Ukmergė distr., KFH No. 694403 is a broad-leaved forest KFH, with neighbouring bare cutting on one side. No trees suitable for living of beetles of those two species were found.

Ukmergė distr., KFH No. 694405 is a broad-leaved forest KFH with large neighbouring bare cutting on one side. No dry pine trees were found, but several trees suitable for *C.cinnaberinus* were detected. Trees were wet enough, so larvae of *Cucujus cinnaberinus* were found in two oak trees broken by wind: 1 larva under the bark of one tree and 5 larvae under the bark of another. These trees were marked by blue paint and letter „C“ by the authors of this report.

Ukmergė distr., KFH No. 704401 is a broad-leaved forest KFH with large neighbouring bare cutting on one side. No dry pine trees were found, but several oak trees suitable for *C.cinnaberinus* were detected.

Table 3. Results of search sites of *Boros schneideri* in 2011.

Data of research and weather conditions	Time	Locality	No of specimens ¹	Number of potentially suitable trees	Evaluation of the site ²
14 05 2011, cloudy with bright periods, ~15°C	15:10	Ukmergė distr., KFH No. 694403	I0 L0	0	4 points
	16:21	Ukmergė distr., KFH No. 694405	I0 L0	0	4 points
15 05 2011, cloudy with bright periods, ~18°C	11:55	Ukmergė distr., KFH No. 704401	I0 L0	0	4 points
	13:10	Ukmergė distr., KMB Nr. 704402	I0 L0	0	4 points
29 05 2011, cloudy with bright periods, ~23°C	14:30	Kaišiadorys distr., KFH No. 673402	I0 L0	1	4 points
17 09 2011, sunny, ~18°C	13:05	Kaišiadorys distr., KFH Nor. 663502	I0 L0	1	4 points
	14:20	Kaišiadorys distr., KFH No. 663503	I0 L0	0	4 points
	14:50	Kaišiadorys distr., KFH No. 663501	I0 L0	0	4 points

¹ I indicates number of larvae; L – number of adults.

² 1 point – dry or drying trees make >25 percent of all threes; 2 points: 15–25 percent; 3 points: 5–14 percent; 4 points: <5 percent.

Ukmergė distr., KFH No. 704402 is a broad-leaved forest KFH, established near the recreational zone, so many people are resting nearby. No dry pine trees were found and only several dry oaks.

Kaišiadorys distr., KFH No. 673402 is a pinewood KFH, but only one old dry pine tree and no oak trees were found. Number of dry pine trees should increase as almost all older pines were earlier tapped.

Kaišiadorys distr., KFH No. 663502 is a broad-leaved forest KFH with only one dry and thicker pine, but several dry oaks.

Kaišiadorys distr., KFH No. 663503 is a broad-leaved forest KFH. Rather many dry oaks were found, but no beetles at all, probably because the oaks were too dry for the larvae to develop.

Kaišiadorys distr., KFH No. 663501 is a broad-leaved forest KFH. Only several trees suitable for *Cucujus cinnaberinus* were found and none suitable for *B.schneideri*.

Most of the selected KFH territories were atypical for living of *Boros schneideri*, but trees suitable for *Cucujus cinnaberinus* were detected in almost all the habitats. Unfortunately, beetles were found only in one of the eight selected KFH, but the population looked viable in that one habitat with more suitable oaks nearby, although outside the territory of KFH.

Almost all the investigated KFH territories are comparatively small. Hopefully

number of such forest patches will increase, there size will enlarge, fragmentation will decrease and suitable corridors for migration of rare species of insects and other animals will form.

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Naujos ir retos vabalų (Insecta: Coleoptera) rūšys Lietuvoje*D. STANIONIS, T. PETRIKAS.***Santrauka**

Vabalų įvairovės tyrimai buvo atlikti dviejuose Lietuvos regionuose: Kaišiadorių ir Ukmergės rajonuose 2007–2011 metais. Iš viso minima 61 vabalų rūšis aptikta miškuose ir aplinkinėse teritorijose. Didžiausias dėmesys tyrimų metu buvo skirtas kertinėms miško buveinėms bei *Cucujus cinnaberinus* ir *Borus schneideri* paieškai jose. *Laemophloeus muticus* (Fabricius, 1781) (Laemophloeidae), *Anaesthetis testacea* (Fabricius, 1781) (Cerambycidae) ir *Dircaea australis* Fairmaire, 1856 (Melandryidae) aptiktos mūsų šalyje pirmą kartą.

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