

Sawflies from Külső-Somogy, South-West Hungary (Hymenoptera: Symphyta)

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HARIS, A.: *Sawflies from Külső-Somogy, South-West Hungary (Hymenoptera: Symphyta)*.

Abstract: 119 sawfly species were reported from Külső-Somogy. Seven rare species were captured: *Aprosthem a austriacum* (Konow, 1892), *Dolerus (Poodolerus) quadrinotatus* (Bíró, 1884), *Birka (Birka) annularis* (Thomson, 1870), *Empria hungarica* (Konow, 1895), *Harpiphorus lepidus* (Klug, 1818), *Hinatara nigripes* (Konow, 1907) and *Pachynematus (Larinematus) imperfectus* (Zaddach, 1876). New color variation of *Dolerus (Poodolerus) quadrinotatus* (Bíró, 1884) is described.

Keywords: Hymenoptera, Symphyta, fauna, Külső-Somogy, Hungary, *Dolerus quadrinotatus* (Bíró, 1884), new color variation

Introduction

The first species was reported from this region as early as 1900 (MOCSÁRY, 1900). Látrány Puszt a Nature Reserve Area, investigated in 2003, is also part of this region (HARIS, 2003). 87 Symphyta species were reported from here. Haris, 1998, 2001 and Roller and Haris, 2008 also contain high number of sawfly species from Külső-Somogy (Fig. 1); finally, sporadic data we may find in MÓCZÁR and ZOMBORI 1973; ZOMBORI 1982 and 1990.

Methods and material

We spent 15 days in April and 5 days in May and 1-1 days in June and August, with collecting on 41 sampling sites.

The early collecting season started very adversely reasoned by the extreme weather conditions. There was a snowfall at the end of March (although in the mid of January, the temperature reached even the plus 11°C), furthermore early April was rainy. Therefore the species richness was low. We collected 496 specimens of 95 species. Our collection was augmented by earlier captured and still unpublished specimens collected by Zsolt Józán and György Rozner, few specimens by Gyula Sáringer and Ottó Merkl. This additional material consists of 115 specimens of 62 species.

For identification, Zhelochovtsev's work on the sawflies of the European part of the former USSR (ZHELOCHOVTSEV 1988) was consulted. We also used some recent revi-

sions and works to make the identifications even more precise (BLANK & RITZAU 1998, HARIS 2006, KOCH 1988, ZOMBORI 2016).

For the discussion of the distribution of sawflies, we consulted the book of Roller and Haris titled *Sawflies of the Carpathian Basin, History and Current Research* (ROLLER & HARIS 2008), the most recent European checklist of species (TAEGER et al. 2006) augmented by other faunistic records from the Carpathian Basin (GYURKOVICS and HARIS 2012, HARIS 2009, 2011, ROLLER 1993, 1994, 1996, 1998, 1999a, b, c, d, e, 2000, b, c, 2001, 2004, 2005, 2006a, b, ROLLER and LUKÁŠ 1999, ROLLER et al. 2006).

The higher classification of sawflies applied in this work follows the Hymenoptera part of *Fauna Europaea* (ACHTERBERG 2013).

The dominant collection method was the sweep netting. It was completed in May with individual collection of sawflies.

List of sampling sites in 2018

Balatonendréd: láprét (marshy meadow). Between 46°50'38.05"N, 17°58'40.76"E and 46°50'48.34"N, 17°58'38.86"E. Altitude: 119-125 m.

Balatonendréd: legelő (pasture). Between 46°50'11.12"N, 17°59'46.15"E and 46°49'58.58"N, 17°59'55.55"E. Altitude: 143-184 m.

Bábonymegyer: Patkó sír (Patkó grave). Between 46°45'28.90"N, 18° 5'24.31"E and 46°45'39.67"N, 18° 5'23.40"E. Altitude: 165-172 m.

Bábonymegyer: pasture with willows. Between 46°45'3.47"N, 18° 7'28.62"E and 46°44'54.67"N, 18° 7'50.38"E. Altitude: 127-153 m.

Bonnya: Bonnyai-forest. 46°35'9.90"N, 17°54'3.29"E and 46°34'58.56"N, 17°54'17.86"E. Altitude: 234-258 m.

Bonnya-pusztá. Between 46°35'34.93"N, 17°55'55.78"E and 46°35'35.44"N, 17°56'0.33"E. 165-156 m Altitude.

Fiad: Kölesdpusztai-erdő 46°37'25.25"N, 17°49'47.69"E and 46°37'31.61"N, 17°49'40.58"E, 221-229 m.

Fiad: Fiadi erdő (Fiad forest). Between 46°37'51.66"N, 17°49'32.06"E and 46°37'52.34"N, 17°49'40.88"E. Altitude: 186-189 m.

Hetes: meadow next to the cemetery. 46°24'50.73"N, 17°42'21.91"E and 46°24'42.77"N, 17°42'13.03"E. Altitude: 146-148 m.

Igal: Igal-erdő (Igal forest). Between 46°33'53.97"N, 17°56'3.19"E and 46°33'54.66"N, 17°56'10.84"E. Altitude: 272 m.

Kapoly: Kis-Koppány valley, marshy meadow, alongside the railway between 46°43'3.09"N, 17°58'8.51"E and 46°42'53.43"N, 17°58'24.14"E, 167-170m altitude.

Kaposfüred: fenyő plantation. Between 46°24'10.09"N, 17°46'32.06"E and 46°24'11.43"N, 17°46'39.83"E. Altitude: 161-162 m.

Kára. Between 46°37'14.79"N, 18° 0'24.34"E and 46°37'5.27"N, 18° 0'29.10"E. Altitude: 136 m.

Kereki: Vár-hegy (Castle Hill, Fig. 2). Between 46°47'6.54"N, 17°54'16.70"E and 46°46'57.20"N, 17°54'10.78"E. Altitude: 171-253 m.

Kisbárapáti: láprét (marshy meadow). Between 46°36'55.44"N, 17°51'25.38"E and 46°36'53.49"N, 17°51'17.20"E. Altitude: 151-153 m.

Magyaregres: Varga-bonyi árok. 46°27'18.97"N, 17°46'9.16"E and 46°27'45.14"N, 17°45'53.53"E. Altitude: 133-136 m.

Mernyeszentmiklós: forest. 46°33'16.99"N, 17°47'35.58"E and 46°33'22.94"N, 17°47'30.88"E. Altitude: 213-218 m.

Mezőcsokonya: Csokonyai forest 1 km from the end of Táncsics street. Between 46°24'32.60"N, 17°38'33.27"E and 46°24'20.38"N, 17°38'28.00"E. Altitude: 174-185 m.

Mezőcsokonya: Alsónyíres: Csárdahely. Between 46°24'35.44"N, 17°38'55.17"E and 46°24'22.13"N, 17°39'6.47"E. Altitude: 173-174 m.

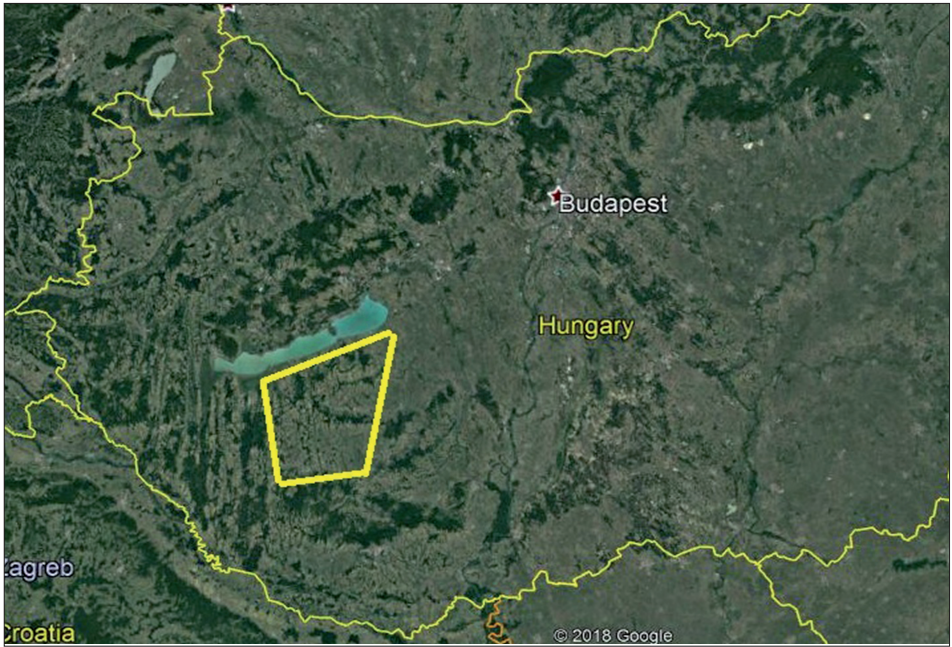


Fig. 1.: The investigated area in Hungary



Fig. 2: Kereki: Várhegy (Castle Hill)



Fig. 3: Ságvár: Képes fa



Fig. 4: Somogysárd: Fishing pond

- Miklósi. Dirt road behind the Church of Saint John the Baptist. Between 46°38'45.31"N, 17°59'16.17"E and 46°38'43.40"N, 17°59'6.02"E. 191-205 m altitude.
- Patalom: Patalomi forest behind elderly home. Between 46°26'47.95"N, 17°55'52.98"E and 46°26'35.31"N, 17°56'4.83"E. Altitude: 162-167 m.
- Polány: fishing pond. Between 46°33'13.30"N, 17°46'49.49"E and 46°33'16.49"N, 17°46'47.19"E. 157-159 m.
- Pusztaszemes: forest opposite of Kossuth street 4. Between 46°46'42.19"N, 17°55'9.14"E and 46°46'32.27"N, 17°55'5.47"E. Altitude: 181-210 m.
- Pusztaszemes: Szemesi erdő, behind Petőfi street. Between 46°45'47.07"N, 17°55'30.81"E and 46°45'51.07"N, 17°55'21.33"E. Altitude: 197-207 m.
- Ságvár: Ali-rét. Between 46°49'0.53"N, 18° 2'21.97"E and 46°49'5.77"N, 18° 1'56.42"E. Altitude: 135-161 m.
- Ságvár: Képes fa (Sacred tree, Fig. 3) and Bögöcsei-legelő (Bögöcse pasture). 46°49'15.84"N, 18° 3'12.21"E and 46°49'37.67"N, 18° 3'11.91"E. Altitude: 137-165 m.
- Somogyacsa: Acsai-erdő. Between 46°33'48.70"N, 17°58'22.35"E and 46°33'57.44"N, 17°58'32.21"E. Altitude: 288-300 m.
- Somogyaszaló: Deseda. Between 46°26'28.55"N, 17°47'50.76"E and 46°26'27.25"N, 17°48'9.25"E. Altitude: 142-163. m.
- Somogyabod: Somogyabodi-erdő. Between 46°40'46.38"N, 17°45'42.50"E and 46°40'43.68"N, 17°45'33.24"E. Altitude: 175-194 m.
- Somogydöröcske. Between 46°34'59.22"N, 18° 0'25.67"E and 46°34'52.79"N, 18° 0'35.73"E, 181-210 m.
- Somogyesztí: municipal area, meadow at Széchenyi street. Between 46°31'22.25"N, 17°47'9.11"E and 46°31'21.05"N, 17°47'16.79"E. 146-159 m.
- Somogyeggyes: meadow, 46°42'57.74"N, 17°56'9.34"E and 46°42'41.38"N, 17°56'25.60"E. Altitude: 184-192 m.
- Somogysárd: Fishing ponds (Fig. 4). Between 46°25'14.85"N, 17°36'21.58"E and 46°25'7.15"N, 17°36'27.94"E. Altitude: 165-172 m.
- Somogytúr: Türi-erdő Between 46°39'59.49"N, 17°43'49.73"E and 46°39'50.00"N, 17°43'53.49"E. 262-264 m altitude.
- Somogytúr: Hárshegyi vadászház. Between 46°42'5.62"N, 17°43'17.71"E and 46°42'7.20"N, 17°43'14.96"E. Altitude: 218-220 m.
- Somogyvár: Kupavári-erdő. Between 46°34'4.85"N, 17°38'45.96"E and 46°34'18.45"N, 17°38'22.32"E. Altitude: 137-180 m.
- Szólád: Nerzde-pusztá, forest. Between 46°46'35.15"N, 17°52'2.67"E and 46°46'31.23"N, 17°52'15.09"E. Altitude: 160-201 m.
- Szorosad: Koppány brook: at the bridge. Between 46°35'58.07"N, 18° 1'31.30"E and 46°35'55.14"N, 18° 1'24.17"E. Altitude 126 m.
- Tab: meadow at Koppány brook. Between 46°44'18.08"N, 18° 4'13.36"E and 46°44'14.19"N, 18° 4'0.48"E, 135-137 m altitude.
- Tengőd: Tengődi-forest. Between 46°43'29.69"N, 18° 5'33.15"E and 46°43'20.92"N, 18° 5'58.29"E. Altitude: 236-263 m.
- Törökkoppány: Koppányi forest: Foresters monument: 46°34'19.90"N, 18° 2'59.19"E and 46°34'19.59"N, 18° 3'2.63"E 179-180 m altitude.

List of species

Xyelidae

Xyela graeca Stein, 1876: Látrány: Birkás-legelő, 04. 05. 2002, 1 female. Sporadic. Larva on *Pinus nigra*.

Pamphiliidae

Neurotoma nemoralis (Linné, 1758): Igal: Andocsi úti erdő, 14. 04. 2018, 1 female, 1 male. Known hostplants: *Prunus mahaleb*, *P. armeniaca*, *P. spinosa* and *P. cerasus*. Locally frequent pest.

Pamphilius sylvaticus (Linné, 1758): Kapoly: Kis-Koppány valley, 26. 04. 2018, 1 female. One of the commonest pamphilid sawfly species. Hostplants: *Sorbus aucupariae*, *Malus* spp., *Prunus* spp. and *Crataegus* spp.

Pamphilius vafer (Linné, 1767): Somogysárd: Fishing ponds, 23. 04. 2018, 1 male, 25. 04. 2018, 1 male. Sporadic. Known hostplants: *Alnus glutinosa*, *Alnus incana*, *Alnus fruticosa*, *Betula pendula* and *Betula pubescens*.

Megalodontesidae

Megalodontes plagiocephalus (Fabricius, 1804): Balatonendréd: Endrédi-dombok, 06. 05. 2018, 2 females, 1 male. One of the most frequent Megalodontesidae species. Known hostplant: *Peucedanum alsaticum*.

Megalodontes fabricii (Leach, 1817): Balatonszemes: Bagó-domb, 10. 06. 2008, 1 male. Sporadic. Hostplant unknown.

Argidae

Aprosthemata austriacum (Konow, 1892): Hetes: meadow at the cemetery, 27. 04. 2018, 1 male. Rare. Hostplant unknown.

Arge cyanocrocea (Forster, 1771): Bonnya: Bonnyai-forest, 24. 04. 2018, 1 male, 12. 05. 2018, 1 male; Igal: Andocsi úti forest, 12. 05. 2018, 1 female; Kereki: É. Belterület, 29. 06. 2012, 1 female. Common species. Known hostplants: *Rubus idaeus* and *Sanguisorba officinalis*.

Arge enodis (Linné, 1767): Somogyeszti: belter., 21. 05. 2007, 1 male; Ecseny: belter., 28. 06. 2006, 1 female; Kánya: belter., 20. 07. 2009, 1 female. One of the commonest Argid sawfly in Hungary, recently sporadically collected. Hostplants: *Salix* spp.

Arge melanochra (Gmelin, 1790): Ságvár: Képes fa and Bögöcsei-legelő, 19. 05. 2018, 3 females, 1 male, 02. 06. 2018, 1 female, 1 male; Somogybabod: Babodi-erdő, 02. 06. 2018, 1 female; Somogyeszti: municipal area, 13. 05. 2018, 1 male; Ságvár: Ali-rét, 19. 05. 2018, 4 males; Kőröshegy: temető környéke, 13. 07. 2009, 1 female; Nikla: belterület, 14. 07. 2012, 1 female; Nagyberény: meadow at railway station, 28. 07. 2012, 1 female; Balatonlelle: Kis-hegy, 12. 07. 2012, 1 male.; Kereki: Homokfelvetés North, 08. 06. 2015, 1 male; Kereki: Lake, 29. 06. 2012, 1 male. Common species. Hostplant: *Crataegus oxyacantha*.

Arge ochropus (Gmelin, 1790): Balatonszemes: Egyenes, 11. 06. 2007, 1 female, 1 male; Kereki: régi homokbánya, 11. 06. 2007, 1 male; Torvaj: belterület, 28. 07. 2012, 1 female. Pest of *Rosa* spp. Locally frequent.

Arge ustulata (Linnaeus, 1758): Somogyeszti: municipal area, 22. 04. 2018, 1 male. Sporadic. Larva on *Salix alba vitellina*, *Salix alba*, *Salix aurita*, *Salix fragilis*, *Salix caprea*, *Betula pendula*, *Betula pubescens* and *Crataegus* spp.

Cimbicidae

Corynis crassicornis (Rossi, 1790): Mezőcsokonya: temető körny., 19. 05. 2007, 1 female; Balatonboglár: Vár-hegy, 11. 05. 2010, 1 male. Sporadic. Hosts are *Sedum* spp. (*S. album*, *S. acre* and *S. sexangulare*).

Cephalidae

Calameuta (Calameuta) filiformis (Eversmann, 1847): Kapoly: Kis-Koppány valley, 06. 05. 2018, 1 female, 19. 05. 2018, 1 female, 3 males; Somogybabod: Babodi-erdő, 13. 05. 2018, 1 female; Bonnya: Bonnyai-erdő. 12. 05. 2018, 1 female. Generally common species. Larva lives in stems of *Arrhenaterum elatius*, *Phalaris arundinacea*, *Calamagrostis epigeios*, *Elytrigia repens* and *Phragmites communis*.

Calameuta (Calameuta) haemorrhoidalis (Fabricius, 1781): Ságvár: Ali-rét, 25. 04. 2018, 1 male; Mezőcsokonya: Alsónyíres: Csárdahely, 27. 04. 2018, 1 male; Kapoly: Kis-Koppány valley, 06. 05. 2018, 1 male; Ságvár: Képes fa and Bögöcsei-legelő, 06. 05. 2018, 1 male. Frequent species. Hostplant unknown.

Calameuta (Calameuta) pallipes (Klug, 1803): Somogyvár: Kupavári-erdő, 23. 04. 2018, 1 male, 29. 04. 2018, 1 male; Bábonygyer: Patkó sír, 28. 04. 2018, 1 male; Magyaregres: Varga-bonyi árok, 27. 04. 2018, 1 male; Somogybabod: Somogybabodi-erdő, 28. 04. 2018, 1 female; Látrány, 24. 05. 2012, 1 female. Frequent species. Hostplants: diverse *Poaceae*.

Calameuta (Calameuta) punctata (Klug, 1803): Kapoly: Kis-Koppány valley, 30. 04. 2018, 1 female; Libickozma: belter., 20. 04. 2008, 1 female. Sporadic in Hungary.

Cephus brachycercus C. G. Thomson, 1871: Mezőcsokonya: Alsónyíres: Csárdahely, 27. 04. 2018, 1 female; Kapoly: Kis-Koppány valley, 30. 04. 2018, 1 female; Somogydöröcske: döröcskei-rét, 24. 04. 2018, 1 male; Ságvár: Ali-rét., 25. 04. 2018, 1 male. Widely distributed, sporadic species. Hostplant unknown.

Cephus nigrinus C. G. Thomson, 1871: Kapoly: Kis-Koppány valley, 26. 04. 2018, 1 male, 24. 04. 2018, 1 male; Somogygeszti: municipal area, 27. 04. 2018, 1 female; Hetes: meadow next to the cemetery, 27. 04. 2018, 1 female; Ságvár: Ali-rét., 06. 05. 2018, 1 female. Frequent species. Hostplants: *Milium effusum* and *Poa pratensis*.

Cephus pygmeus (Linné, 1767): Bábonygyer: Patkó sír, 28. 04. 2018, 2 males, 1 female; Magyaregres: Varga-bonyi árok, 29. 04. 2018, 1 male; 06. 05. 2018, 4 males, 6 females, 12. 0. 2018, 1 female, 27. 04. 2018, 2 females, 29. 04. 2018, 1 female; Kapoly: Kis-Koppány valley, 06. 05. 2018, 2 males, 2 females; 12. 05. 2018, 1 male, 15 females, 19. 05. 2018, 1 male, 3 females; Bonnya: Bonnyai-erdő, 1 male, 3 females; Ságvár: Ali-rét, 06. 05. 2018, 1 female, 25. 04. 2018, 1 female; Ságvár: Képes fa and Bögöcsei-legelő, 28. 04. 2018, 1 female; Somogygeszti: municipal area, 13. 05. 2018, 1 female; Büssü: belter, 16. 05. 2009, 1 female. Common. Pest of cereals and grasses.

Cephus spinipes (Panzer, 1800) (syn. *Cephus cultratus* Eversmann, 1847): Ságvár: Ali-rét., 06. 05. 2018, 1 male, 19. 05. 2018, 1 male, 2 females; Polány: Gamási-árok, 21. 05. 2007, 1 female. Frequent species. Known hostplant: *Phleum pratense*.

Tenthredinidae

Dolerinae

Dolerus (Dicrodolerus) vestigialis (Klug, 1818): Kapoly: Kis-Koppány valley, 30. 04. 2018, 1 male; Somogyfajsz: belter., 20. 04. 2008, 1 female. Common. Hostplants: *Equisetum palustre*, *E. sylvaticum*, *E. arvense* and *E. pratense*.

Dolerus (Dolerus) germanicus (Fabricius, 1775): Kapoly: Kis-Koppány valley, 06. 05. 2018, 1 female, 24. 04. 2018, 2 males, 26. 04. 2018, 2 males, 30. 04. 2018, 2 males; Balatonendréd: láprét, 16. 04. 2018, 1 female, 1 male; Karád, belter, 2008 07. 19, 1 female, Somogyaszaló: Novella, 23. 07. 2007. 1 female; Balatonföldvár: Kerék-rét, 13. 07. 2009, 1 female. Common. Larva on *Equisetum arvense* and *E. palustre*.

Dolerus (Oncodolerus) eversmanni W. F. Kirby, 1882: Balatonendréd: láprét, 16. 04. 2018, 1 female; Kapoly: Kis-Koppány valley, 24. 04. 2018, 1 female; Bábonygyer: Kis-Koppány-valley, 16. 04. 2018, 1 male. Frequent. Larva on *Equisetum arvense* and *E. palustre*.

Dolerus (Poodolerus) aeneus Hartig, 1837: Igal: Andocsi úti-erdő, 14. 04. 2018, 1 male; Balatonendréd: láprét, 16. 04. 2018, 1 female; Ságvár: Képes fa and Bögöcsei-legelő, 06. 05. 2018, 1 female; Pamuk: belter, 11. 04. 2009, 1 female. Sporadic. Hostplants: *Graminae*.

Dolerus (Poodolerus) asper Zaddach, 1859: Buzsák: Kund-pusztá, 02. 04. 2007, 1 male. Sporadic. Hostplants: *Graminae* and *Cyperaceae*.

Dolerus (Poodolerus) brevicornis Zaddach, 1859: Kisbárapáti: láprét, 14. 04. 2018, 1 female. Sporadic. Hostplant: *Carex* spp.

Dolerus (Poodolerus) gonager (Fabricius, 1781): Látrány: Öreg-hegy, 01. 04. 2008, 1 female. Generally common. Larva on *Poaceae*.

Dolerus (Poodolerus) haematodes (Schrank, 1781): Balatonendréd: láprét, 18. 04. 2018, 1 male. Frequent. Larva on *Juncus*, *Scirpus*, *Crex* and *Gramineae*.

Dolerus (Poodolerus) nigratus (O. F. Müller, 1776): Bábonygye: Kis-Koppány-valley, 16. 04. 2018, 1 female; Pusztaszemes: Szemesi-erdő, 23. 04. 2018, 1 female; Bonnya: Bonnyai-erdő, 24. 04. 2018, 1 female; Somogybabod: Somogybabodi-erdő, 25. 04. 2018, 1 female; Szólád: Nezdé-pusztá, 25. 04. 2018, 1 female; Mezőcsokonya: Alsónyíres: Csárdahely, 27. 04. 2018, 1 female; Kisbárapáti: láprét, 14. 04. 2018, 1 male; Bonnya-pusztá, 08. 04. 2018, 1 male; Fiad: Fiadi-erdő, 14. 04. 2018; Szorosad: Koppány-patak, 08. 04. 2018, 1 male; Somogytúr: Túri-erdő, 15. 04. 2018, 1 male; Somogyfajsz: belter., 20. 04. 2008, 1 male. Common. Larva on *Graminae* including cereals.

Dolerus (Poodolerus) picipes (Klug, 1818): Kapoly: Kis-Koppány völgye, 24. 04. 2018, 1 female; Ádánd: Fehér-hegy, 17. 04. 2007, 1 female. Frequent. Larva on *Graminae*.

Dolerus (Poodolerus) puncticollis C. G. Thomson, 1871: Bábonygye: Kis-Koppány völgye, 16. 04. 2018, 1 female; Balatonendréd: láprét, 13. 04. 2018, 1 female; Kapoly: Kis-Koppány völgye, 08. 04. 2018, 1 female, 13. 04. 2018, 2 females; Bonnyapusztá, 08. 04. 2018, 1 female; Somogytúr: Túri-erdő, 15. 04. 2018, 1 female; Igal: Andocsi úti-erdő, 14. 04. 2018, 1 male; Nagybjom, 05. 04. 1963, 1 female; Vállus: Csetényi-rét, 26. 06. 2002., 1 male. Common. Larva on *Graminae* including cereals.

Dolerus (Poodolerus) quadrinotatus (Bíró, 1884): Tab: Koppány-valley, 08. 04. 2018, 1 female. Rare. Hostplant unknown.

Dolerus (Poodolerus) sanguinicollis (Klug, 1818): Ságvár: Ali-rét, 12. 05. 2018, 1 female. Sporadic.

Selandrinae

Birka (Birka) annularis (Thomson, 1870): Pamuk: belter.: 11. 04. 2009, 1 female. Rare. Hostplant: *Rubus* spp.

Birka (Birka) cinereipes (Klug, 1816): Somogybabod: Somogybabodi-erdő, 22. 04. 2018, 2 females, 15. 04. 2018, 1 male. Sporadic. Hostplants: *Myosotis* spp.

Nesoselandria morio (Fabricius, 1781): Somogyárd: halastavak a régi temetőnél, 13. 05. 2018, 1 female. Frequent. Hostplants: *Brachytecium reflexum*, *Ceratodon purpureus*, *Chenopodium album*, *Dicranum scoparium*, *Fragaria vesca*, *Hedwigia ciliata*, *Myosotis arvensis*, *Plagiomnium cuspidatum*, *Plagiothecium denticulatum*, *Polygonum aviculare*, *Polytrichum commune*, *Pseudobryum cinclidiodes*, *Sanionia uncinata*, *Stellaria media*, *Veronica chamaedrys* and *V. officinalis*.

Selandria serva (Fabricius, 1793): Mezőcsokonya: Alsónyíres: Csárdahely, 27. 04. 2018, 1 male; Nágocs: belter., 25. 08. 2007, 1 female. Frequent. Host plants: *Poaceae*, *Carex* spp. and *Juncus* spp.

Allantinae

Allantus (Emphytus) cinctus (Linné, 1758): Bonnya: Bonnyai-erdő. 24. 04. 2018, 1 female; Kisbárapáti: belter.: 06. 08. 2008, 1 female; Csombárd: belterület, 07. 05. 2015, 1 male; Mernye: belterület, 10. 05. 2011, 1 female. Frequent. Hostplants: *Rosa* spp.

Allantus (Emphytus) melanarius (Klug, 1818): Vése, Csöpröndi road, 27. 04. 2012, 1

female; Balatonboglár: Tabán, 11. 05. 2010, 1 female. Frequent. Hostplant: *Cornus sanguinea*.

Ametastegia (Protemphytus) carpini (Hartig, 1837): Patalom: Patalomi-erdő, 26. 04. 2018, 1 female. Sporadic. Hostplant: *Geranium* spp.

Ametastegia (Ametastegia) equiseti (Fallén, 1808): Ságvár: Ali-rét, 06. 05. 2018, 1 male. Frequent. Larva on *Chenopodium album*, *Lythrum salicaria*, *Polygonum persicaria* and *Rumex acetosella*.

Ametastegia (Protemphytus) pallipes (Spinola, 1808): Balatonendréd: láprét, 16. 04. 2018, 1 females; Szólád: Nezde puszta, 25. 04. 2018, 1 female. Frequent. Larva on *Viola* spp.

Ametastegia (Protemphytus) tenera (Fallén, 1808): Somogyaszaló: Deseda, 24. 04. 2018, 1 male, 26. 04. 2018, 2 males. Frequent. Larva on *Rumex* spp.

Athalia bicolor Serville, 1823: Kapoly: Kis-Koppány völgye, 26. 04. 2018, 1 female, 06. 05. 2018, 1 male, 12. 05. 2018, 2 males, 19. 05. 2018, 2 males; Somogysárd: halastavak a régi temetőnél, 29. 04. 2018, 1 female; Ságvár: Ali-rét, 06. 05. 2018, 1 female, 12. 05. 2018, 1 male; Bonnya: bonnyai-erdő, 12. 05. 2018, 1 female; Magyaregres: Varga-bonyi árok, 12. 05. 2018, 1 female, 20. 05. 2018, 1 female; Ságvár: Képes fa and Bögöcsei-legelő, 06. 05. 2018, 1 male; Balatonendréd: Endrédi-dombok, 06. 05. 2018, 1 male. Frequent. Hostplant unknown.

Athalia circularis (Klug, 1815): Somogyaszaló: Deseda: 24. 04. 2018, 4 males; Somogyabod: Somogyabodi-erdő, 28. 04. 2018, 3 males; Ecseny: belter, 14. 08. 2006, 1 male; Mezőcsokonya: temető körny., 19. 05. 2007, 1 male; Torvaj: belterület, 28. 07. 2012, 1 male. Frequent. Hostplants: *Arctium lappa*, *Ajuga reptans*, *Veronica beccabunga*, *V. longifolia*, *V. officinalis*, *Alliaria petiolata*, *Glechoma hederacea*, *Melampyrum*, *Capsella* and *Lycopus* spp.

Athalia cordata Serville, 1823: Ságvár: Képes fa and Bögöcsei-legelő, 16. 04. 2018, 1 female; Mernyeszentmiklós: Szentmiklósi-erdő, 22. 04. 2018, 1 female; Somogydöröcske: döröcskei-rét, 24. 04. 2018, 1 female; Somogysárd: Halastavak, régi temető, 29. 04. 2018, 1 female; Somogyvár: Kupavári-erdő, 29. 04. 2018, 1 female, 2 males; Kapoly: Kis-Koppány völgye, 30. 04. 2018, 2 females, 2 males; Fiad: Kölespusztai-erdő, 24. 04. 2018, 1 male; Szólád: Nezde puszta, 25. 04. 2018, 1 male; Hetes: rét, a temetőnél, 27. 04. 2018, 1 male; Ságvár: Ali-rét, 28. 04. 2018, 1 male, 06. 05. 2018, 1 male; Somogyaszaló: Deseda, 02. 04. 2007, 1 female; Polány: Szentmiklósi-erdő, 26. 04. 2008, 1 male. Common. Larva on *Misopates orontinum*, *Antirrhinum majus*, *Ajuga reptans*, *Teucrium scorodonia* and *Plantago* spp.

Athalia rosae (Linné, 1758): Somogyabod: Somogyabodi-erdő, 22. 04. 2018, 1 female, 20. 05. 2018, 1 female; Hetes: meadow next to the cemetery, 27. 04. 2018, 8 females, 3 males; Kapoly: Kis-Koppány völgye, 11. 08. 2018, 9 females, 5 males; Somogyaszaló: Novella, 23. 07. 2007, 1 male; Polány: Gamási-árok, 21. 05. 2007, 1 female, Somogygeszti: belter., 21. 05. 2007, 1 male. Common pest. Hostplants: *Raphanus sativus*, *R. raphanistrum*, *Sinapis arvensis*, *Sisymbrium officinale*, *Armoracia rusticana*, *Barbarea* sp., *Brassica napus*, *B. juncea*, *B. rapa*, *B. oleracea*, *Tropaeolum majus*, *Sinapis arvensis*, *Alliaria petiolata* and *Cardamine* spp.

Empria hungarica (Konow, 1895): Ádánd: Fehér-hegy, 17. 04. 2007, 1 male. Rare. Hostplant unknown.

Empria liturata (Gmelin, 1790): Somogytúr: Téri-erdő, 15. 04. 2018, 1 female; Ságvár: Ali-rét, 25. 04. 2018, 1 female; Somogyabod: Somogyabodi-erdő, 15. 04. 2018, 1 male. Frequent. Hostplants: *Fragaria* and *Geum* spp.

Empria parvula (Konow, 1892): Balatonendréd: láprét, 13. 04. 2018, 1 male; Somogyacs: Acsai-erdő, 15. 04. 2018, 1 male; Igal: Andocsi úti erdő, 14. 04. 2018, 1 male; Igal: Kavaljai-erdő. 05. 04. 2012, 1 female. Sporadic.

Empria sexpunctata (Serville, 1823) (syn.: *Empria klugii* (Stephens, 1835)): Balatonendréd: láprét, 29. 04. 2018, 1 female, 16. 04. 2018, 1 male; Balatonendréd: Endrédi-dombok, 13. 04. 2018, 1 female, 16. 04. 2018, 1 male; Patalom: Patalomi-erdő, 26. 04. 2018, 1 female; Kapoly: Kis-Koppány völgye, 26. 04. 2018, 1 female; Bonnya: Bonnyai-erdő, 24. 04. 2018, 1 female; Somogyvár: Kupavári-erdő, 29. 04. 2018, 1 female, 23. 04. 2018, 1 male; Kereki: Vár-hegy, 23. 04. 2018, 1 female; Somogybabod: Somogybabodi-erdő, 22. 04. 2018, 1 female, 2 males, 15. 04. 2018, 1 male; Ságvár: Ali-rét, 25. 04. 2018, 1 female; Fiad: Kölesdpusztai-erdő, 24. 04. 2018, 1 male; Somogyaszaló: Deseda, 15. 04. 2018, 1 male; Mezőcsokonya: Csokonyai-erdő, 25. 04. 2018, 1 male; Kisbárapáti: láprét, 14. 04. 2018, 1 male; Fiad: Fiadi-erdő, 14. 04. 2018, 1 male, Törökkoppány: Koppányi-erdő, 08. 04. 2018, 1 male. Frequent. Larva on *Geum* spp.

Empria tridens (Konow, 1896): Somogyaszaló: Deseda, 15. 04. 2018, 1 female, 1 male; Ságvár: Ali-rét, 25. 04. 2018, 1 female; Igal: Andocsi úti erdő, 14. 04. 2018, 1 male; Kereki: Vár-hegy, 14. 04. 2018, 1 male. Frequent. Hostplants: *Geum* spp. and *Rubus idaeus*.

Eriocampa ovata (Linné, 1761): Libickozma: belter., 07. 07. 2007, 1 female. Frequent on *Alnus glutinosa* and *A. incana*.

Harpiphorus lepidus (Klug, 1818): Somogysárd: halastavak a régi temetőnél, 25. 04. 2018, 1 female. Rare. Hostplants: *Quercus* spp.

Monostegia abdominalis (Fabricius, 1798): Magyaregres: Gombás parkerdő, 26. 04. 2012, 1 female. Sporadic. Hostplants: *Lysimachia*, *Anagallis*, *Glaux maritima*.

Heterarthrinae

Caliroa cinxia (Klug, 1816): Hetes: belter., 19. 05. 2007, 1 male. Sporadic. Larva on *Quercus* spp.

Heterarthrus vagans (Fallén, 1808): Magyaregres: Varga-bonyi árok, 20. 05. 2018, 1 larva in mine. Sporadic. Hostplants: *Alnus* spp.

Hinatara nigripes (Konow, 1907): Kereki: Vár-hegy, 14. 04. 2018, 1 female. Rare. Hostplant: *Acer capestre*.

Blennocampinae

Claremontia alternipes (Klug, 1816): Magyaregres: Varga-bonyi árok, 15. 04. 2018, 1 female; Bonnya: Bonnyai-erdő, 24. 04. 2018, 1 female; Somogyaszaló: Deseda, 15. 04. 2018, 1 male; Somogyacs: Acsai-erdő, 15. 04. 2018, 1 male; Somogyaszaló: Deseda, 18. 04. 2012, 1 female. Sporadic. Hostplant: *Rubus idaeus*.

Claremontia brevicornis (Brischke, 1883): Fiad: Kölesdpusztai-erdő, 24. 04. 2018, 1 female. Sporadic. Hostplants: *Fragaria* spp., *Sanguisorba* spp. and *Potentilla reptans*.

Claremontia puncticeps (Konow, 1886): Ságvár: Képes fa and Bögöcsei-legelő, 13. 04. 2018, 1 female; Pusztaszemes: Szemesi-erdő, 14. 04. 2018, 1 female. Sporadic. Hostplants: *Fragaria* spp., *Sanguisorba* spp. and *Potentilla reptans*.

Claremontia waldheimii (Gimmerthal, 1847): Igal: Andocsi úti-erdő, 14. 04. 2018, 1 female. Frequent. Hostplant: *Geum urbanum*.

Eutomostethus ephippium (Panzer, 1798): Balatonendréd: láprét, 16. 04. 2018, 1 female, 1 male, 29. 04. 2018, 1 male; Magyaregres: Varga-bonyi árok, 22. 04. 2018, 1 female, 1 male, 27. 04. 2018, 1 male; Somogysárd: Halastavak a régi temetőnél, 23. 04. 2018, 2 females; Somogybabod: Somogybabodi-erdő, 25. 04. 2018, 2 females, 2 males, 13. 05. 2018, 1 male; Somogyaszaló: Deseda, 26. 04. 2018, 1 female; Somogyvár: Kupavári-erdő, 29. 04. 2018, 3 females, 1 male, 23. 04. 2018, 3 males; Ságvár: Képes fa and Bögöcsei-legelő, 16. 04. 2018, 1 male, 28. 04. 2018, 3 males; Kereki: Vár-hegy, 23. 04. 2018, 1 male; Kisbárapáti: láprét, 24. 04. 2018, 1 male; Bonnya: Bonnyai-erdő, 24. 04. 2018, 1 male; Somogyeggyes: Kis-Koppány völgye, 28. 04. 2018, 1 male; Szőlád: Nezde pusztá, 25.



Fig. 5: *Dolerus (Poodolerus) quadrinotatus* (Bíró, 1884) new colour variation



Fig. 6: *Aprosthema austriacum* (Konow, 1892)

04. 2018, 1 male; Tengőd: Tengődi-erdő, 26. 04. 2018, 1 male; Hetes: rét a temető mellett, 27. 04. 2018, 1 male; Mezőcsokonya: Alsónyíres: Csárdahely, 27. 04. 2018, 1 male; Ságvár: Ali-rét, 28. 04. 2018, 1 male, 06. 05. 2018, 2 males, 12. 05. 2018, 1 male; Kisbárapáti: Márton-hegy, 07. 05. 2008, 1 male; Somogyaszaló: Deseda, 18. 04. 2012, 1 male; Somogyfajsz: Vadászház, 14. 07. 2012, 1 male. Common species. Larva on *Graminae*.

Eutomostethus gagathinus (Klug, 1816): Somogybabod: Somogybabodi-erdő, 22. 04. 2018, 1 male. Sporadic.

Halidamia affinis (Fallén, 1807): Balatonendréd: láprét, 16. 04. 2016, 1 female; Somogyvár: Kupavári-erdő, 23. 04. 2018, 1 female; Magyaregres: Varga-bonyi árok, 15. 04. 2018, 1 female; Balatonlelle: Kis-hegy, 01. 04. 2008, 1 female; Polány: Szentmiklósi erdő, 26. 04. 2008, 1 female. Frequent. Hostplants: *Galium aparine* and *G. molugo*.

Monophadnoides rubi (Harris, 1845) (syn.: *Monophadnoides geniculatus* (Hartig, 1837)): Kapoly: Kis-Koppány völgye, 13. 04. 2018, 1 male. Frequent. Hostplant: *Rubus fruticosus*.

Monophadnoides ruficruris (Brulle, 1832): Somogyaszaló: Deseda, 18. 04. 2012, 1 female. Frequent. Hostplant: *Rubus idaeus*.

Monophadnus longicornis (Hartig, 1837, sensu Zombori, 1990): Kisbárapáti: láprét, 24. 04. 2018, 3 males. Sporadic. Hostplant unknown. (Well known species, generally attributed to Hartig, however not identical with *M. longicornis* Hartig).

Monophadnus monticola (Hartig, 1837): Somogyaszaló: Deseda, 25. 04. 2012, 1 female. Frequent. Larva on *Helleborus* spp. and *Ranunculus acris*.

Monophadnus pallescens (Gmelin, 1790): Somogysárd: Halastavak a régi temetőnél, 23. 04. 2018, 1 female; Kapoly: Kis-Koppány völgye, 24. 04. 2018, 1 female; Somogybabod: Somogybabodi-erdő, 15. 04. 2018, 1 female; Kereki: Vár-hegy, 14. 04. 2018, 1 female; Fiad: Vadas-erdő, 05. 04. 2009, 1 female. Common. Hostplants: *Ranunculus acris*, *R. repens*, *R. lanuginosus* and *Anemone nemorosa*.

Monophadnus spinolae (Klug, 1816): Bonnyapuszta, 30. 06. 2009, 1 male; Gamás: Kisbári út, 06. 05. 2010, 1 male. Sporadic. Hostplants: *Clematis vitalba* and *C. flammula*.

Pareophora pruni (Linnaeus, 1758): Ságvár: Ali-rét, 25. 04. 2018. Frequent. Larva on *Prunus spinosa*.

Phymatocera aterrima (Klug, 1816): Somogyvár: Kupavári-erdő, 23. 04. 2018, 1 male. Frequent. Hostplants: *Polygonatum* spp.

Stethomostus fuliginosus (Schrank, 1781): Polány: Gamási-árok, 21. 05. 2007, 1 male. Frequent. Larva on *Ranunculus acris*, *R. repens* and *R. sceleratus*.

Tenthredininae

Aglaostigma (Astochus) aucupariae (Klug, 1817): Somogytúr: Hárshegyi vadászház, 22. 04. 2018, 1 female; Somogydöröcske: Döröcskei-rét, 24. 04. 2018, 1 female; Tengőd: Tengődi-erdő, 26. 04. 2018, 1 female; Igal: Andocsi úti erdő, 14. 04. 2018, 1 female; Ságvár: Képes fa and Bögöcsei-legelő, 16. 04. 2018, 1 male; Kisbárapáti: láprét, 14. 04. 2018, 1 male; Kapoly: Kis-Koppány völgye, 08. 04. 2018, 1 male; Ságvár: Képes fa and Bögöcsei-legelő, 13. 04. 2018, 2 males; Fiad: Vadas-erdő, 05. 04. 2009, 1 male, Siófok: Töreki, 12. 03. 2007, 1 female, Igal: belter.: 19. 04. 2008, 1 female; Mernye: Amerikai kereszt, 31. 03. 2012, 1 male; Somogybabod: Szent-kút, 31. 03. 2011, 1 male; Visz: Karádi út mentén, 31. 03. 2011, 1 female; Somogyaszaló: Deseda, 04. 04. 2011, 1 female.. Common. Larva on *Galium mollugo* and *G. boreale*.

Aglaostigma (Astochus) fulvipennis (Scopoli, 1763): Kaposfüred: Kaposfüredi út, 22. 04. 2018, 1 female; Somogygeszti: municipal area, meadow at Széchenyi street, 27. 04. 2018, 4 females, 22. 04. 2018, 1 female; Magyaregres: Varga-bonyi árok, 27. 04. 2018, 1 female; Ságvár: Képes fa and Bögöcsei-legelő, 28. 04. 2018, 1 female; Somogybabod:

Somogybabodi-erdő, 22. 04. 2018, 1 female, 25. 04. 2018, 1 female; Mernyeszentmiklós: Szentmiklósi-erdő, 22. 04. 2018, 1 female; Kapoly: Kis-Koppány völgye, 24. 04. 2018, 1 female, 30. 04. 2018, 1 male; Igal: Andocsi úti erdő, 14. 04. 2018, 3 males, 16. 04. 2018, 2 males; Látvány: Öreg-hegy, 01. 04. 2008, 1 male, Polány: Szentmiklósi-erdő, 26. 04. 2008, 1 male; Magyaregres: Deseda, arborétum, 20. 04. 2011, 1 male; Somogyaszaló: Deseda, 25. 04. 2012, 1 male. Common. Larva on *Galium mollugo* and *G. verum*.

Macrophya (Macrophya) albicincta (Schrank, 1776): Somogysárd: Halastavak, 23. 04. 2018, 2 females, 29. 04. 2018, 1 male; Somogytúr: Hárshgyi vadászház, 22. 04. 2018, 1 female, 1 male; Somogyaszaló: Deseda, 26. 04. 2018, 1 female, 1 male; Pusztaszemes: Szemesi-erdő, 23. 04. 2018, 2 females, 14. 04. 2018, 1 female; Ságvár: Képes fa and Bögöcsei-legelő, 60. 05. 2018, 1 female, 13. 04. 2018, 1 female, 1 male; Somogyacs: Acsai-erdő, 15. 04. 2018, 2 females; Kapoly: Kis-Koppány völgye, 26. 04. 2018, 1 female, 30. 04. 2018, 1 female; Mezőcsokonya: Alsónyíres: Csárdahely, 27. 04. 2018, 1 female, 1 male; Somogyeggyes: Kis Koppány-völgye, 28. 04. 2018, 1 female; Magyaregres: Varga-bonyi árok, 29. 04. 2018, 1 female; Igal: Andocsi úti-erdő, 14. 04. 2018, 1 female; Kára, 13. 04. 2018, 1 female, 1 male; Bonnya: Bonnyai-erdő, 24. 04. 2018, 2 males; Ságvár: Ali-rét, 25. 04. 2018, 1 male, 28. 04. 2019, 1 male; Somogyeszti: belter., 21. 05. 2007, 1 female; Somogyaszaló: Deseda, 02. 04. 2007, 1 female, 25. 04. 2012, 1 female; Balatonszemes: Bagó-domb, 07. 04. 2009, 1 female; Kaposvár: Tókaj-tó, 01. 05. 2009, 1 female; Somogyvár: Brézai-erdő, 11. 04. 2009, 1 male; Polány: Szentmiklósi-erdő, 26. 04. 2008, 1 female; Balatonlelle: Kis-hegy, 18. 04. 2011, 1 female; Töröcske: belterület, 06. 05. 2015, 1 female; Balatonboglár: Vár-hegy, 03. 04. 2012, 1 female. Common. Hostplants: *Sambucus ebulus*, *S. nigra*, *S. racemosa*, *Valeriana officinalis* and *Viburnum opalus*.

Macrophya (Macrophya) annulata (Geoffroy, 1785): Balatonendréd: Endrédi-dombok, 06. 05. 2018, 1 male. Frequent. Larva on *Potentilla reptans*, *Origanum vulgare*, *Euphorbia*, *Rosa*, *Rubus* and *Sambucus* spp.

Macrophya (Macrophya) chrysura (Klug, 1817): Mezőcsokonya: temető körny., 19. 05. 2007, 1 male. Sporadic. Hostplant: *Daucus carota*.

Macrophya (Macrophya) crassula (Klug, 1817): Nikla: belterület, 01. 08. 2015, 1 female. Sporadic. Hostplant: *Sambucus ebulus*.

Macrophya (Macrophya) duodecimpunctata (Linné, 1758): Kapoly: Kis-Koppány völgye, 30. 04. 2018, 1 male; Polány: Gamási-árok, 21. 05. 2007, 1 female; Somogyaszaló: Deseda, 18. 04. 2012, 1 male. Common. Hostplants: *Graminae*, *Cyperaceae* and *Carex* spp.

Macrophya (Macrophya) diversipes (Schrank, 1782): Somogyaszaló: Novella, 30. 07. 2007, 1 male. Sporadic. Hostplant unknown.

Macrophya (Macrophya) montana (Scopoli, 1763): Somogybabod: Somogybabodi-erdő, 12. 05. 2018, 1 female, 02. 06. 2018, 6 females, 2 males, 20. 05. 2018, 3 females, 2 males; Ságvár: Ali-rét, 12. 05. 2018, 9 females, 6 males, 19. 05. 2018, 4 males; Kapoly: Kis-Koppány völgye, 12. 05. 2018, 1 female, 1 male, 19. 05. 2018, 2 females; Ságvár: Képes fa and Bögöcsei-legelő, 02. 06. 2018, 1 female, 1 male, 19. 05. 2018, 3 males; Magyaregres: Varga-bonyi árok, 20. 05. 2018, 1 female; Igal: Andocsi úti-erdő, 12. 05. 2018, 1 male; Bonnya: Bonnyai-erdő, 12. 05. 2018, 1 female, 2 males; Polány: Gamási-árok, 21. 05. 2007, 1 male; Somogyaszaló: belter., 21. 05. 2007, 1 female; Büssü: belter., 16. 05. 2009, 1 female. Common. Hostplant: *Rubus caesius*.

Macrophya (Macrophya) postica (Brullé, 1832): Bonnya: belter., 08. 06. 2009, 1 male. Frequent. Hostplant unknown.

Macrophya (Macrophya) rufipes (Linné, 1758): Somogyaszaló: Novella, 30. 06. 2007, 1 female. Sporadic. Larva on *Agrimonia eupatoria*.

Pachyprotasis rapae (Linné, 1767): Somogyeszi: municipal area, 27. 04. 2018, 1 female, 22. 04. 2018, 1 male; Somogybabod: Somogybabodi-erdő, 25. 04. 2018, 4 males, 28. 04. 2018, 2 males; Kapoly: Kis-Koppány völgye, 06. 05. 2018, 1 male; Ecseny: belter, 14. 08. 2006, 1 female; Kisbárapáti: belter., 06. 08. 2008, 1 female. Common. Hostplants: *Solanum tuberosum*, *Pedicularis palustris*, *Angelica sylvestris*, *Veronica beccabunga*, *Betonica officinalis*, *Corylus avellana*, *Salix caprea*, *Fraxinus excelsior*, *Tussilago farfara*, *Symphoricarpos albus*, *Scrophularia*, *Solidago*, *Verbascum*, *Origanum*, *Atropa*, *Sarothamnus*, *Senecio*, *Polygonum*, *Aspidium*, *Epilobium*, *Hypericum*, *Galeopsis*, *Mentha*, *Polystichum*, *Plantago*, *Quercus* and *Stachys* spp.

Rhogogaster (Rhogogaster) chlorosoma (Benson, 1943): Ecseny: belter., 28. 06. 2007, 1 female. Generally frequent. Hostplants: *Pteridium aquilinum*, *Alnus glutinosa*, *Circaea*, *Prunus* spp., *Ranunculus* spp., *Rosa* spp., *Salix alba*, *S. purpurea*, *Stellaria* spp., *Filipendula ulmaria*, *Populus tremula*, *Padus* spp., *Betula* spp., *Corylus avellana* and *Sorbus* spp.

Sciapteryx consobrina (Klug, 1816): Magyaregres: Varga-bonyi árok, 27. 04. 2018, 2 females; Somogyeszi: municipal area, 27. 04. 2018, 1 female, 22. 04. 2018, 1 female; Ságvár: Ali-rét, 28. 04. 2018, 2 females; Ságvár: Képes fa and Bögöcsei-legelő, 28. 04. 2018, 3 females, 16. 04. 2018, 2 males, 08. 04. 2018, 1 male; Somogyárd: Halastavak, 25. 04. 2018, 1 female; Somogybabod: Somogybabodi-erdő, 25. 04. 2018, 1 female, 15. 04. 2018, 1 female, 22. 04. 2018, 2 females; Ságvár: Ali-rét, 25. 04. 2018, 1 female; Törökkoppány: Koppányi-erdő, 08. 04. 2018, 1 male; Gamás: Vadépuszta, 03. 04. 2007, 1 female; Somogyaszaló: Deseda, 25. 04. 2012, 1 female; Igal: Kavaljai-erdő, 05. 04. 2012, 1 male. Common. Larval hosts: *Adoxa* spp., *Anemone* spp. and *Ranunculus ficaria*.

Sciapteryx costalis (Fabricius, 1775): Balatonendréd: Endrédi-dombok, 13. 04. 2018, 1 male; Kapoly: Kis-Koppány völgye, 13. 04. 2018, 1 male. Frequent. Hostplant: *Ranunculius acris*.

Tenthredo (Zonuledo) amoena Gravenhorst, 1807: Kisbárapáti: Márton-hegy, 06. 08. 2008, 1 female. Sporadic. Hostplants: *Hypericum perforatum* and *H. maculatum*.

Tenthredo (Cephalredo) bifasciata ssp. *violacea* (Ed. André, 1881): Ságvár: Képes fa and Bögöcsei-legelő, 19. 05. 2018, 1 male; Bábonygyer: Patkó-sír, 06. 05. 2018, 1 female; Somogybabod: Somogybabodi-erdő, 02. 06. 2018, 1 female; Kereki: régi homokbánya, 11. 06. 2007, 1 female; Torvaj: belterület, 28. 07. 2012, 1 male; Ecseny: belterület, 03. 08. 2012, 1 female. Frequent. Hostplant unknown.

Tenthredo (Cephalredo) bifasciata rossii (Panzer, 1804): Tab: Lullai út, 20. 07. 2009, 1 male, Bonnya: belter., 08. 06. 2009, 1 male. Frequent. Hostplants: *Scrophularia* and *Verbascum* spp.

Tenthredo (Endotethryx) campestris Linné, 1758: Somogybabod: Somogybabodi-erdő, 20. 05. 2018, 1 female, 3 males; Somogyeszi: municipal area, 27. 04. 2018, 1 female. Frequent. Hostplant: *Aegopodium podagraria*.

Tenthredo (Eurogaster) mesomela Linné, 1758: Somogybabod: Somogybabodi-erdő, 20. 05. 2018, 1 female. Frequent. Larval hosts: *Polygonum persicaria*, *Arctium lappa*, *Heracleum* spp., *Ranunculus* spp., *Epilobium* spp., *Rumex* spp., *Salix* spp., *Veronica* sp., *Tussilago* spp., *Petasites* sp., *Senecio* sp., *Solidago* sp. and *Stachys* spp.

Tenthredo (Zonuledo) distinguenda (Stein, 1885): Ságvár: Képes fa and Bögöcsei-legelő, 19. 05. 2018, 1 male. Sporadic. Hostplant unknown.

Tenthredo (Cephalredo) excellens (Konow, 1886): Balatonendréd: Endrédi-dombok, 16. 04. 2018, 1 female; Kapoly: Kis-Koppány völgye, 30. 04. 2018, 1 female. Sporadic. Hostplant unknown.

Tenthredo (Tenthredo) scrophulariae Linné, 1758: Kapoly: Kis-Koppány völgye, 06. 05. 2018, 1 female. Sporadic. Larva on *Scrophularia* and *Verbascum* spp.

Tenthredo (Tenthredo) thompsoni (Curtis, 1839): Miklósi: belter., 25. 08. 2007, 1 female. Frequent. Hostplant unknown.

Tenthredo (Tenthredo) vespa Retzius, 1783: Alsóbogát: Fishing pond, 08. 08. 2012, 1 female. Frequent. Hostplants: *Lonicera caprifolium*, *Syringa vulgaris*, *Viburnum opulus*, *Fraxinus excelsior*, *Jasminum officinale*, *Rosa*, *Spiraea*, *Acer platanoides*, *Ligustrum vulgare*, *Symphoricarpos albus*, *S. alba*.

Tenthredo (Zonuledo) zonula Klug, 1817: Magyaregres: Varga-bonyi árok, 20. 05. 2018, 1 female; Ságvár: Ali-rét, 19. 05. 2018, 2 females; Bábonymegyer: Patkó sír, 28. 04. 2018, 1 female; Ságvár: Képes fa and Böggöcsei-legelő, 19. 05. 2018, 1 male; Kereki: régi homokbánya, 11. 06. 2007, 1 female, Kercseliget: belter, 16. 05. 2009, 1 male; Bonnyapuszta 05. 05. 2012, 1 male; Gamás: Kisbári út, 06. 05. 2012, 1 female; Látrány, 24. 05. 2012, 1 female. Frequent. Hostplant: *Hypericum perforatum*.

Tenthredopsis nassata (Linné, 1767): Gamás: cementery, 07. 05. 2015, 1 female. Frequent. Hostplants: *Dactylis glomerata*, *Deschampsia caespitosa*, *D. calmagrostis*, *Flexuosa* spp., *Holcus* spp., *Lolium perenne*, *Agropyron* spp., *Carex* spp., *Anthriscus silvestris* and *Artemisia* spp.

Tenthredopsis sordida (Klug, 1817): Magyaregres: Varga-bonyi árok, 29. 04. 2018, 1 female; Kapoly: Kis-Koppány völgye, 19. 05. 2018, 1 female, 30. 04. 2018, 1 male; Hetes: kaszáló a temetőnél, 27. 04. 2017, 1 male; Somogymeggyes: Kis-Koppány völgye, 28. 04. 2018, 1 male; Somogyárd: Halastavak, 29. 04. 2018, 1 male. Frequent. Larva on *Arrhenatherum elatius*, *Lolium perene*, *Carex* spp., *Calamagrostis* sp. and *Dactylis glomerata*.

Tenthredopsis stigma (Fabricius, 1798): Kapoly: Kis-Koppány völgye, 06. 05. 2018, 1 male. Generally frequent. Hostplant: *Triticum intermedium*.

Nematinae

Pachynematus (Larinematus) imperfectus (Zaddach, 1876) (currently *Euura imperfectus* (Zaddach, 1876): Somogytúr: Túri-erdő, 15. 04. 2018, 1 female. Rare. Hostplant: *Laris* spp.

Pachynematus (Pachynematus) vagus (Fabricius, 1781) (currently *Euura vagus* (Fabricius, 1781)?): Somogybabod: Somogybabodi-erdő, 25. 04. 2018, 1 female. Sporadic. Larva on *Carex* spp. Recently genus *Pachynematus* synonymised under *Euura*.

Cladius (Cladius) pectinicornis (Geoffroy, 1785): Kisbárapáti: láprét, 14. 04. 2018, 1 male; Kapoly: Kis Koppány-völgye, 26. 04. 2018, 1 female; Ságvár: Ali-rét, 28. 04. 2018, 1 female; Ecseny: belter, 06. 08. 2006, 1 male. Frequent. Larval hosts: *Fragaria*, *Rosa*, *Filipendula* spp., *Poterium sanguisorba*, *Lamiastrum galeobdolon* and *Comarum palustre*.

Cladius (Priophorus) brullei (Dahlbom, 1835): Kapoly: Kis Koppány-völgye, 26. 04. 2018, 1 female; Ságvár: Ali-rét, 12. 05. 2018, 1 female. Frequent. Larva on *Rubus* spp.

Hoplocampa flava (Linné, 1761): Balatonlelle: Kis-hegy, 01. 04. 2008, 1 male. Occasional insect pest. Larva on *Prunus domestica* and *Prunus spinosa*.

Hoplocampa fulvicornis (Panzer, 1801) (syn.: *Hoplocampa rutilicornis* (Klug, 1816)): Miklósi, 08. 04. 2018, 3 females, 1 male. Sporadic, locally frequent. Larva on *Prunus spinosa*.

Hoplocampa crataegi (Klug, 1816): Kapoly: Kis Koppány-völgye, 26. 04. 2018, 1 female. Frequent. Hostplants: *Crataegus* spp.

Mesoneura opaca (Fabricius, 1775): Somogyárd: Halastavak, 23. 04. 2018, 1 female. Sporadic. Larva on *Quercus robur*.

Nematus (Nematus) lucidus (Panzer, 1801): Somogyeszi: municipal area, 22. 04. 2018, 1 female; Balatonlelle: Kis-hegy, 01. 04. 2008, 1 male. Sporadic, locally frequent. Larva on *Crataegus* and *Prunus spinosa*.

Nematus (Pteronidea) oligospilus Förster, 1854: Balatonendréd: láprét, 16. 04. 2018, 1 female. Frequent. Larva on *Salix* spp.

Nematus (Pteronidea) myosotidis (Fabricius, 1804): Somogysárd: Halastavak, 29. 04. 2018, 1 female; Balatonendréd: láprét, 16. 04. 2018, 1 female; Kapoly: Kis Koppány-völgye, 30. 04. 2018, 1 male; Bonnya: Bonnyai-erdő, 24. 04. 2018, 1 male; Kisbárapáti: láprét, 24. 04. 2018, 1 male; Somogyeszi: municipal area, 22. 04. 2018, 1 male; Bábonygyer: legelő, 16. 04. 2018, 1 male; Polány: halastó, 22. 04. 2018, 1 male. Common. Larval hosts: *Onobrychis* and *Trifolium* spp.

Pontania (Pontania) proxima (Serville, 1823): Ságvár: Képes fa and Bögöcsei-legelő, 06. 05. 2018, 3 galls; Kapoly: Kis Koppány-völgye, 06. 05. 2018, 2 galls. Frequent, larva on *Salix fragilis* and *S. alba*.

Pristiphora (Pristiphora) armata (C. G. Thomson, 1863): Gamás: belter., 22. 08. 1999, 1 male, Ságvár: Jaba-völgy, 20. 04. 1998, 1 male. Frequent. Larva on *Crataegus* spp.

Pristiphora (Micronematus) monogyniae (Hartig, 1840): Igal: Andocsi úti-erdő, 14. 04. 2018, 1 female; Bonnya: Bonnyai-erdő, 24. 04. 2014, 1 female. Sporadic. Hostplant: *Prunus spinosa* occasionally *P. domestica*.

Pristiphora subbifida (C. G. Thomson, 1871): Ságvár: Ali-rét, 25. 04. 2018, 1 female; Mernyeszentmiklós: Szentmiklósi-erdő, 22. 04. 2018; Somogytúr: Türi-erdő, 15. 04. 2018, 1 female. Sporadic. Hostplants: *Acer campestre*, sometimes *A. pseudoplatanus* and *A. orientale*.

Results

Rare species

Aprosthem a austriacum (Konow, 1892). Fig. 6. Rare species, from Hungary we have specimens Budapest: Jánoshegy and Hársborkorhegy, from the Mecsek Hills and also from Szilvásvárad. From the other regions of the Carpathian Basin it is recorded from Lepsa (Romanian Carpaths) and there are also 2 indefinite records from Burgenland and Subcarpathia.

Dolerus (Poodolerus) quadrinotatus (Bíró, 1884). Fig. 5. Rare species, out of the Carpathian Basin it is known only from Spain (one specimen). From Hungary, we have specimens from Szeged: Újszeged, Simontornya, Látvány, Battonya: Tompapuszta and Sződ. From Slovakia, it is known from Viničky (Szöllöske) and from Transylvania from Peér, Tasnád, Borosjenő and Németbogsán. Our specimen is a new colour variation: the red dorsal spot is completely missing, only the lateral red spots are present.

Birka (Birka) annulitarsis (Thomson, 1870). Known occurrences from Hungary: Bakony, Mecsek Szilvásvárad, Aggtelek and Jósvafő. From the Carpathian Basin it is also known from Devín (Dévény), Javorina (Balázsvágás), Mošovce (Mosóc), Štefanová (Istvánkirályfalva) Zemianske Podhradie (Nemesváralfa), Adamovské Kochanovce (Adamóckohanóc), Moravské Lieskové (Morvamogyoród) from Slovakia; Nagyszeben (Sibiu), Magura, Horaita Zeteváralfa (Sub Cetatea): Szencsed patak, Homoródfürdő (Baile Homorod) from Romania; Haňkovice-údolie Latorice, Pop Ivan, Tiszabogdány, Brebenyeszkul (Bogdan) and Trebusafejérpatak (Dilove) from Subcarpathia.

Empria hungarica (Konow, 1895). We have data from Hungary, from Magyaralmás, Simontornya, Hármashatárhegy, Budakeszi, Ócsa, Jósvafő, Lébény and Köveskál. It is also known from Neusiedler See (Austria); Štúrovo (Párkány), Devínska Kobyla (Pozsony: Dévény) (Slovakia); Mehádia, Arad, Krassó-Szörény (Caras-Severin),

Szenterzsébet (Gusterita), Zeteváralja (Sub Cetatea): Szencsed patak, Homoródfürdő (Baile Homorod) (Romania); Tiszabogdány (Bogdan) and Brebenyeszkul (Subcarpathia).

Harpiphorus lepidus (Klug, 1818). We have specimens and records from Szendehely: Katalin-puszta, Szentbalázs, Budapest, Badacsony, Nadap, Órszentmiklós, Peszér, Nova. From Slovakia, it is known from Sitno (Szitnya), Malacky (Malacka), Ihelník, Kňaží vrch (Pap kö), Trenčianske Bohuslavice-Hájnica (Bogosló: Hajnica), Skalka nad Váhom (Vágsziklás), Zemianske Podhradie (Nemesváralja) and Turecký vrch (Nové Mesto n.V.). Romanian records: Kereszténysziget (Cristian), Nagyszeben (Sibiu), Hadad (Hodod) and Homoródkeményfalva (Comanesti).

Hinatara nigripes (Konow, 1907). Hungarian occurrence: Kóspallag, Szokolya, Verőce, Lébény, Nagykovácsi, Budapest and Aggtelek. Other records from the Carpathian Basin: Magura-Kisdisznód (Magura Cisnadioarei), Nagyszeben (Sibiu) (Transylvania). It is also recorded from the Czech Carpathians and Slavonia.

Pachynematus (Larinematus) imperfectus (Zaddach, 1876) (currently *Euura imperfectus* (Zaddach, 1876)). This very rare species is known only from Kozi chrbát-Pol'ana Mts (Kecskehát) from Slovakia, Zirc from Hungary and Királymező (Ust-Tschorna) from Subcarpathia.

Dominant species

Cephus pygmeus (Linné, 1767) was collected in the highest number. Besides *Cephus pygmeus* (Linné, 1767), *Macrophya albicincta* (Schränk, 1776), *Macrophya montana* (Scopoli, 1763), *Eutomostethus ephippium* (Panzer, 1798) *Aglaostigma fulvipes* (Scopoli, 1763), *Aglaostigma aucupariae* (Klug, 1817), *Sciapteryx consobrina* (Klug, 1816) and *Empria sexpunctata* (Serville, 1823) were the most frequent species. These eight species make 47% of the total material.

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