



SHORT COMMUNICATION

Materials to the knowledge of Polish sawflies. The genus *Dolerus* Panzer, 1801 (Hymenoptera, Symphyta, Tenthredinidae, Selandriinae). Part IV - *Dolerus ferrugatus* Serville, 1823¹

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ABSTRACT

The paper presents historical and new faunistic data concerning the occurrence of *Dolerus ferrugatus* Serville, 1823 in Poland, supplemented with elements of bionomy – in particular phenology of the appearance of imagines – and general geographical distribution.

Keywords: Hymenoptera, Symphyta, Tenthredinidae, Selandriinae, *Dolerus ferrugatus*, sawflies, Poland, faunistic data, bionomy

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In the presented series of elaborations, focusing on faunistics and bionomy of Polish representatives of *Dolerus* Panz., the authors wish to report the results of collecting on more than thirty Polish localities in 2012-2017. The list (with short description) of localities on which *Dolerus ferrugatus* Serville has been found is presented in table 1, and general distribution of the species in Poland on map 1. Collections in the Kampinos National Park were done by both authors (Jerzy Borowski & Dawid Marczak leg.), the remaining material only by the first of us (Jerzy Borowski leg.). All specimens have been deposited in the Department of Forest Protection and Ecology SGGW, in Rogów.

Table 1. List of localities of *Dolerus ferrugatus* Serville in 2012-2017.

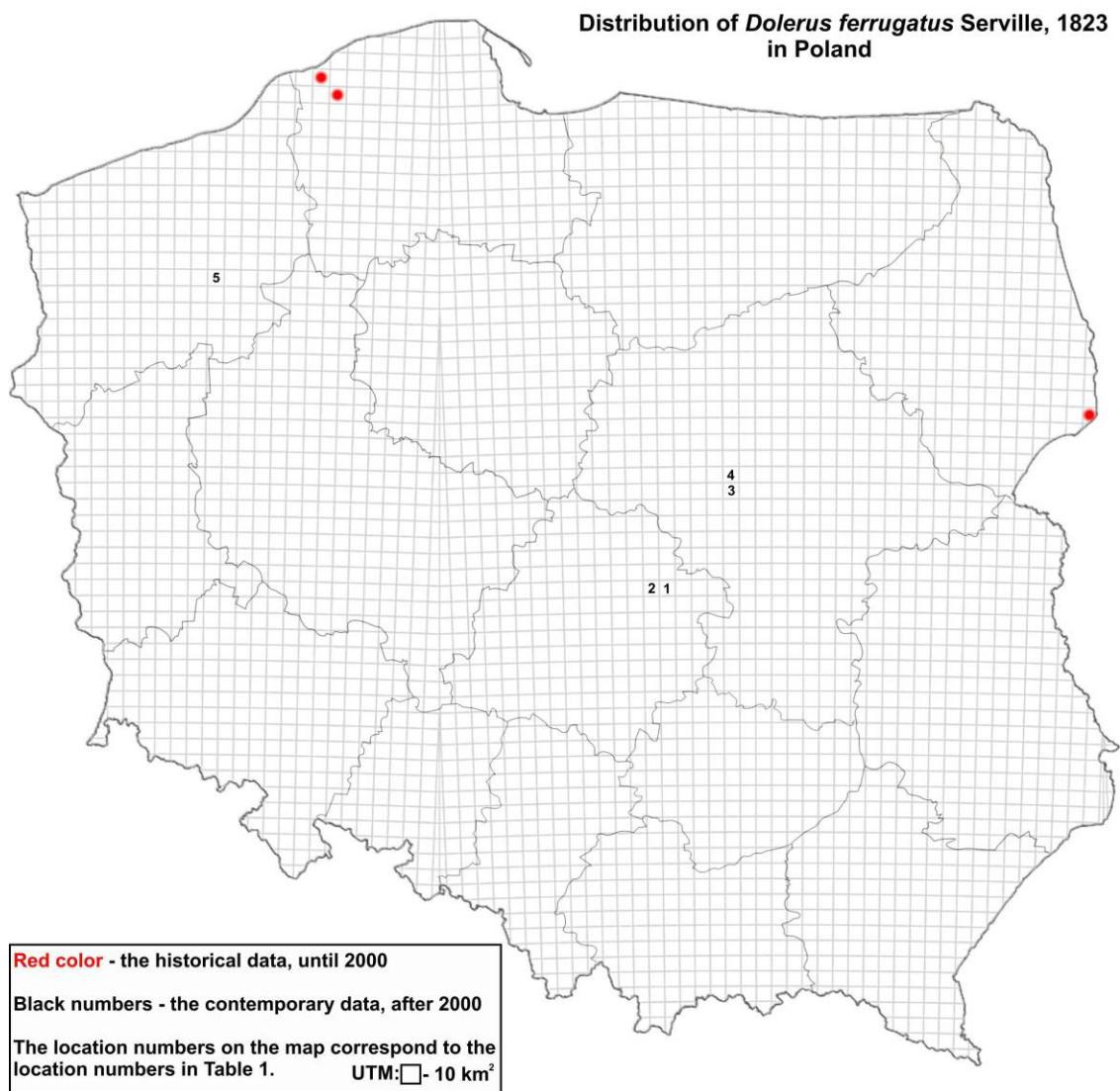
Locality number	Locality name	GPS coordinates UTM grid	Short description
1	Głuchów Range - „Pańska” meadow	N 51°44'56” E 20°05'16” UTM: DC33	Meadow on the grounds of the Forest Experimental Station, Rogów Forest Inspectorate, Głuchów Forest District; mid-forest meadow with rich herbaceous vegetation and some drainage ditches, partly cultivated as hunting plot.
2	„Leszczyny Colony” – wet meadow”	N 51°47'15” E 19°54'44” UTM: DC23	Wet hay-growing meadow near Leszczyny Colony, with numerous species of sedges, grasses, rushes and horsetails, surrounded by ditches draining water exudatives.
3	Kampinos National Park - „Debły” meadow	N 52°17'18” E 20°38'57” UTM: DC79	Natural, extensive mid-forest meadow in Kampinos National Park near Debły with rich herbaceous vegetation and numerous areas overgrown with sedge.
4	Kampinos National Park - „Brzozówka” meadows”	N 52°20'53” E 20°41'08” UTM: DD70	Mowed, and partly pastured with cattle, meadows near Brzozówka, with numerous species of grasses, sedges and rushes.
5	Złocieniec	N 53°30'18” E 16°00'21” UTM: WV62	Natural wet mid-forest meadow near Złocieniec – Lubieszewo road; numerous species of herbaceous plants with extensive patches of sedges, rushes and many species of grasses.

***Dolerus (Achaetoprion) ferrugatus* Serville, 1823 (Fig. 1)**

Known localities: Białowieża (Bischoff 1925); Słupsk, Charnowo (Karl 1925).

New localities: {1}, Głuchów Range (UTM: DC33), 30.III.2014, 1♂; 8.IV.2014, 1♀, 5♂♂; 2.V.2017, 1♂; 16.V.2015, 1♂; 19.V.2015, 1♀; 20.V.2014, 1♀; 13.VI.2013, 1♀; {2}, Leszczyny Colony (UTM: DC23), 10.IV.2017, 1♀; {3} Kampinos National Park (UTM: DC79), 16.V.2017, 1♀; {4}, Kampinos National Park (UTM: DD70), 10.V.2016, 1♀; {5}, Złoceniec (UTM: WV62), 19.IV.2014, 1♀.

Host plant: *Juncus effusus* L.



Map 1. Distribution of *Dolerus ferrugatus* Serville, 1823 in Poland.

Geographical distribution: Species occurring almost everywhere in Europe, reported also from China.

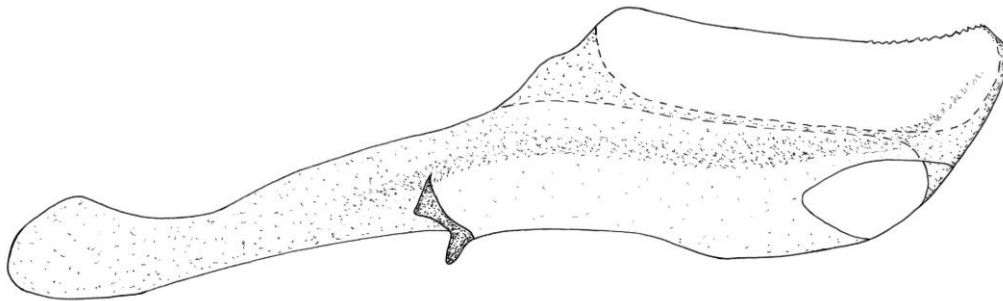


Fig. 1. *Dolerus ferrugatus* Serville – a right penis valve of male aedeagus (outer view).

The species appears in early spring, usually just after the end of swarming of *Dolerus madidus* (Klug), with the peak of occurrence in third decade of April and first decade of May (Fig. 2); the specimen collected in June represented, perhaps, the second generation. Males and females appear at the same time. Flies swiftly, widely scattered, what results in its being collected usually by chance and in single specimens. Like *D. madidus* it inhabits mainly wet areas with numerous rushes.

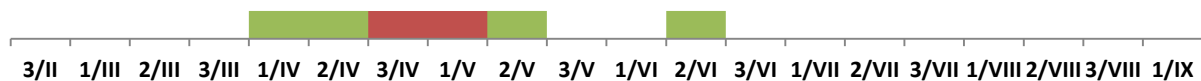


Fig. 2. Period of appearance of *Dolerus ferrugatus* Serville imagines in Central Poland (maximum intensity of swarming marked with red); II – IX – months from February to September; 1, 2, 3 – decades of particular months.

References

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