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SHORT COMMUNICATION

Materials to the knowledge of Polish sawflies. The genus *Dolerus* Panzer, 1801 (Hymenoptera, Symphyta, Tenthredinidae, Selandriinae). Part XII - *Dolerus evermanni* W.F. Kirby, 1882

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ABSTRACT

The paper presents historical and new faunistic data concerning the occurrence of *Dolerus evermanni* W.F. Kirby, 1882 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 evermanni*, sawflies, Poland, faunistic data, bionomy

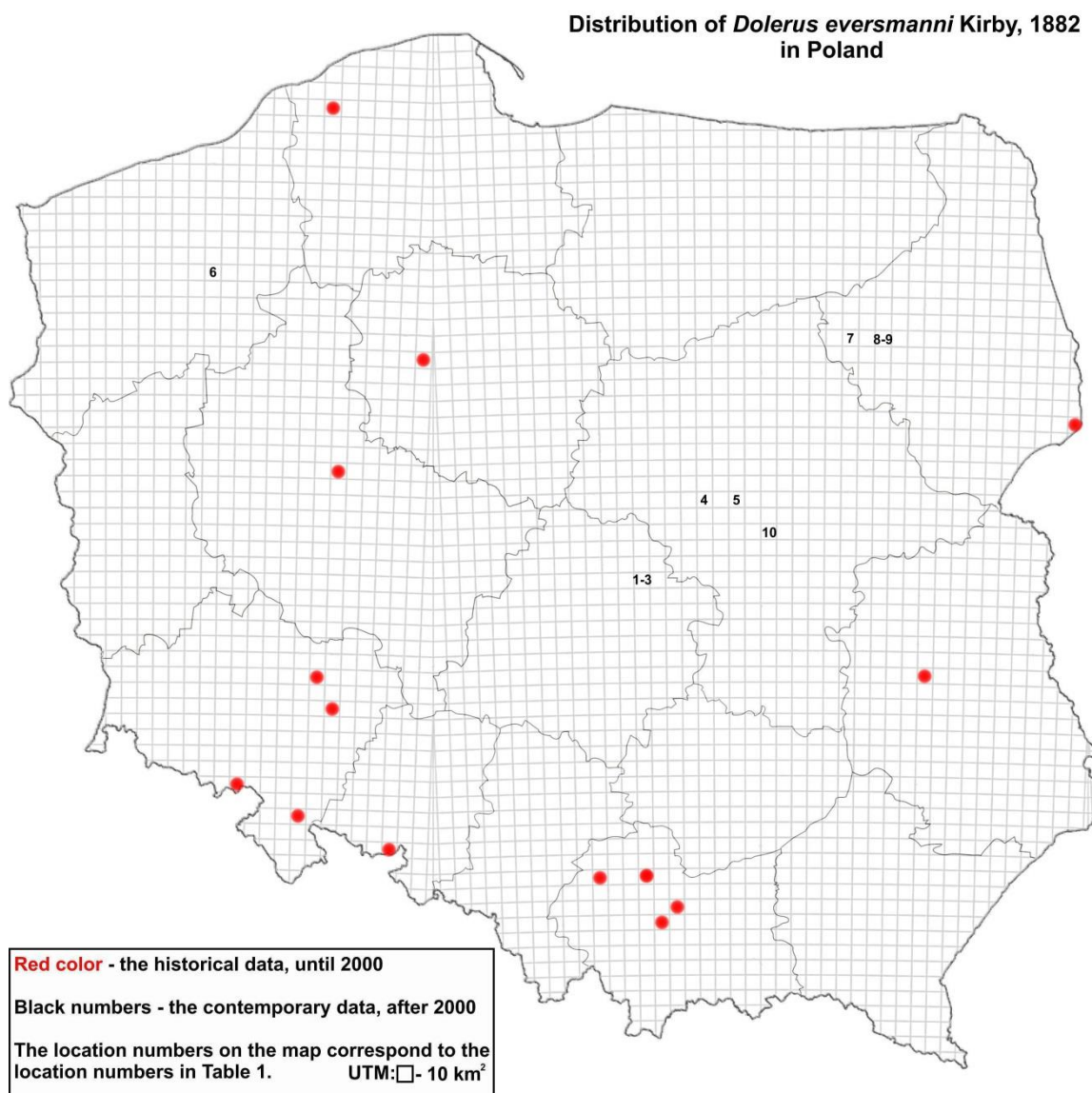
In the presented series of elaborations, focusing on faunistics and bionomy of Polish representatives of *Dolerus* Panz., the authors wish to report the results of collecting on more than thirty Polish localities in 2012-2017. The list (with short description) of localities on which *Dolerus evermanni* Kirby has been found is presented in Table 1, and general

distribution of the species in Poland on Map 1. Most of the specimens were collected by the authors of this paper. Two specimens were caught by K. Rudziński (see paragraph “New localities”). All specimens have been deposited in the Department of Forest Protection and Ecology SGGW, in Rogów.

Table 1. List of localities of *Dolerus eversmanni* Kirby in 2012-2017.

Locality number	Locality name	GPS coordinates UTM grid	Short description
1	Rogów – railroad embankment	N 51°49'59" E 19°54'27" UTM: DC24	Slopes of embankment of the Łódź Fabryczna – Skierniewice railroad, in the immediate vicinity of forest; xerophytic vegetation with numerous species of grasses, umbelliferes, horsetails and few sedges.
2	Przyłęk Duży	N 51°50'15" E 19°54'31" UTM: DC24	Private parcel in the village Przyłęk Duży; ruderal vegetation, large patches of grass, single horsetails and sedges, some flowering plants.
3	Rogów lagoon	N 51°48'13" E 19°50'37" UTM: DC24	Edges of the Mroga river lagoon near PGR Rogów; abundant grasses, sedges, horsetails and riverside flowering plants.
4	Kampinos National Park - „Wiejca” meadows	N 52°20'53" E 20°41'08" UTM: DC69	Natural, partly exploited wet meadows between Wiejca and Korfowe; numerous patches of sedge, large expanses of horsetails and small spots overgrown with hygrophilous herbaceous plants.
5	Kampinos National Park - „Sierakowskie” meadows	N 52°19'02" E 20°49'11" UTM: DC89	Meadows near Sieraków in Kampinos National Park; mixture of utilized pastures, through barren lands with ruderal vegetation, up to wet fertile meadows crossed by many drainage ditches; numerous species of grasses, horsetails and sedges.
6	Złocieniec, surroundings of the city	N 53°32'36" E 16°00'11" UTM: WV63	Side spaces of roads, fallows, forest edges, railroad embankments, ruderal vegetation.
7	Czartoria near Narew river	N 53°11'34" E 21°46'33" UTM: ED59	Depressions with stagnant water in dunes on banks of Narew river near Czartoria, overgrown with hygrophilous herbaceous vegetation: common spikerush, rushes, sedges.
8	Drozdowo	N 53°09'03" E 22°10'03" UTM: ED79	Natural, partly mowed wet meadow on the Narew, temporarily inundated each spring; large patches of sedges, horsetails and not numerous areas overgrown with grasses or flowering herbaceous plants.

9	Stara Łomża	N 53°09'22" E 22°07'06" UTM: ED79	Xerotherm slopes in Stara Łomża, between Wzgórze Świętego Wawrzyńca [St. Lawrence Hill] and Góra Królowej Bony [Queen Bona Mt.] in the vicinity of Narew river; grassy areas with some sedges and horsetails, used for cattle pasturage.
10	Warsaw	N 52°09'42" E 21°02'46" UTM: EC07	SGGW campus in Warszawa-Ursynów; synantropic environment with ruderal vegetation.



Map 1. Distribution of *Dolerus eversmanni* Kirby in Poland.

Dolerus (Oncodolerus) eversmanni eversmanni Kirby, 1882 (Fig. 1)

Known localities: Witkowice, Drogoinia (Niezabitowski 1897); Regulice, Kłaj (Niezabitowski 1899); Wrocław, Oborniki Śląskie, Bardo, Sokołowsko (Dittrich 1905); Bydgoszcz env. (Meyer 1912); Białowieża (Bischoff 1925); Słupsk (Karl 1925); Upper Silesia: Prudnik (Torka 1929); National Park of Wielkopolska: Kociołek Lake, Ludwikowo (Szulczewski 1939); Lublin-Czechów (Miczulski 1964); Elizówka (Miczulski 1964, 1980).

New localities: {1}, Rogów: Doliska/Zimna Woda Range (UTM: DC24), 10.IV.2017, 1♂, 1♀; 18.IV.2017, 1♂; 30.IV.2013, 1♂, 1♀; 14.V.2016, 1♀; {2}, Przyłek Duży, (UTM: DC24), 15-21.V.2014, 1♂; {3}, Rogów, (UTM: DC24), 5.V.2016, 1♂; {4}, Kampinoski Park Narodowy (UTM: DC69), 24.V.2016, 1♀, 1♂; {5}, Kampinoski Park Narodowy (UTM: DC89), 16.V.2015, 5♂♂, 4♀♀; {6}, Złocieniec (UTM: WV63), 1-30.V.2015, 2♂♂, leg. K. Rudziński; {7}, Czartoria (UTM: ED59), 27.V.2014, 1♀; {8}, Drozdowo (UTM: ED79), 15.V.2013, 6♀♀, 2♂♂; 28.V.2014, 1♀; {9}, Stara Łomża (UTM: ED79), 27.V.2014, 2♀♀; {10}, Warsaw (UTM: EC07), 20.V.2015, 1♀.

Host plant: *Equisetum* spp.

Geographical distribution: The nominotypical subspecies occurs almost throughout Europe, Siberia, Mongolia to China and Russian Far East. The *D. eversmanni obscurus* Marlatt, 1898 is an East Palaearctic subspecies and occurs in Japan (Taeger & al. 2006, 2010, Sundukov & Lelej 2012).

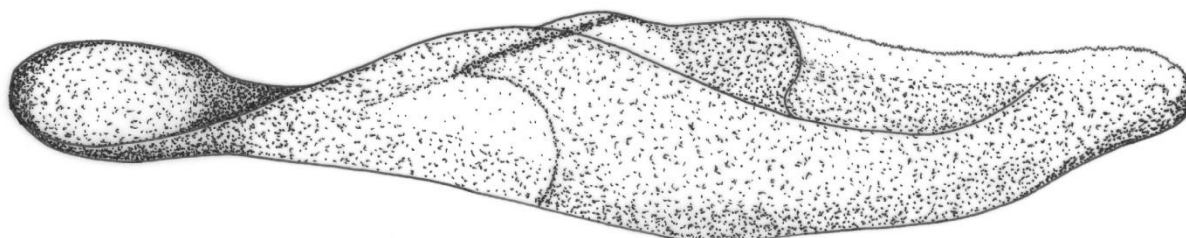


Fig. 1. *Dolerus eversmanni* Kirby – a right penis valve of male aedeagus (outer view).

Appears in April but main swarming falls on second and third decade of May (Fig. 2). Males and females occur at the same time. Prefers sunny spaces irrespective of humidity, but can also be found in shadowy places.

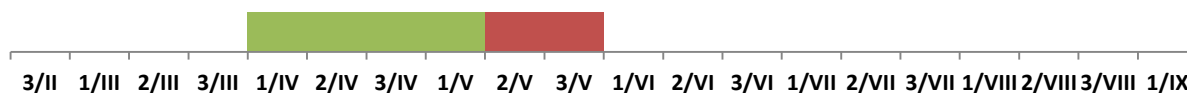


Fig. 2. Period of appearance of *Dolerus eversmanni* Kirby imagines in Central Poland (maximum intensity of swarming marked with red); II – IX – months from February to September; 1, 2, 3 – decades of particular months.

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