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## SHORT COMMUNICATION

### **Materials to the knowledge of Polish sawflies. The genus *Dolerus* Panzer, 1801 (Hymenoptera, Symphyta, Tenthredinidae, Selandriinae). Part XI - *Dolerus gessneri* André, 1880<sup>1</sup>**

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#### **ABSTRACT**

The paper presents historical and new faunistic data concerning the occurrence of *Dolerus gessneri* André, 1880 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 gessneri*, sawflies, Poland, faunistic data, bionomy

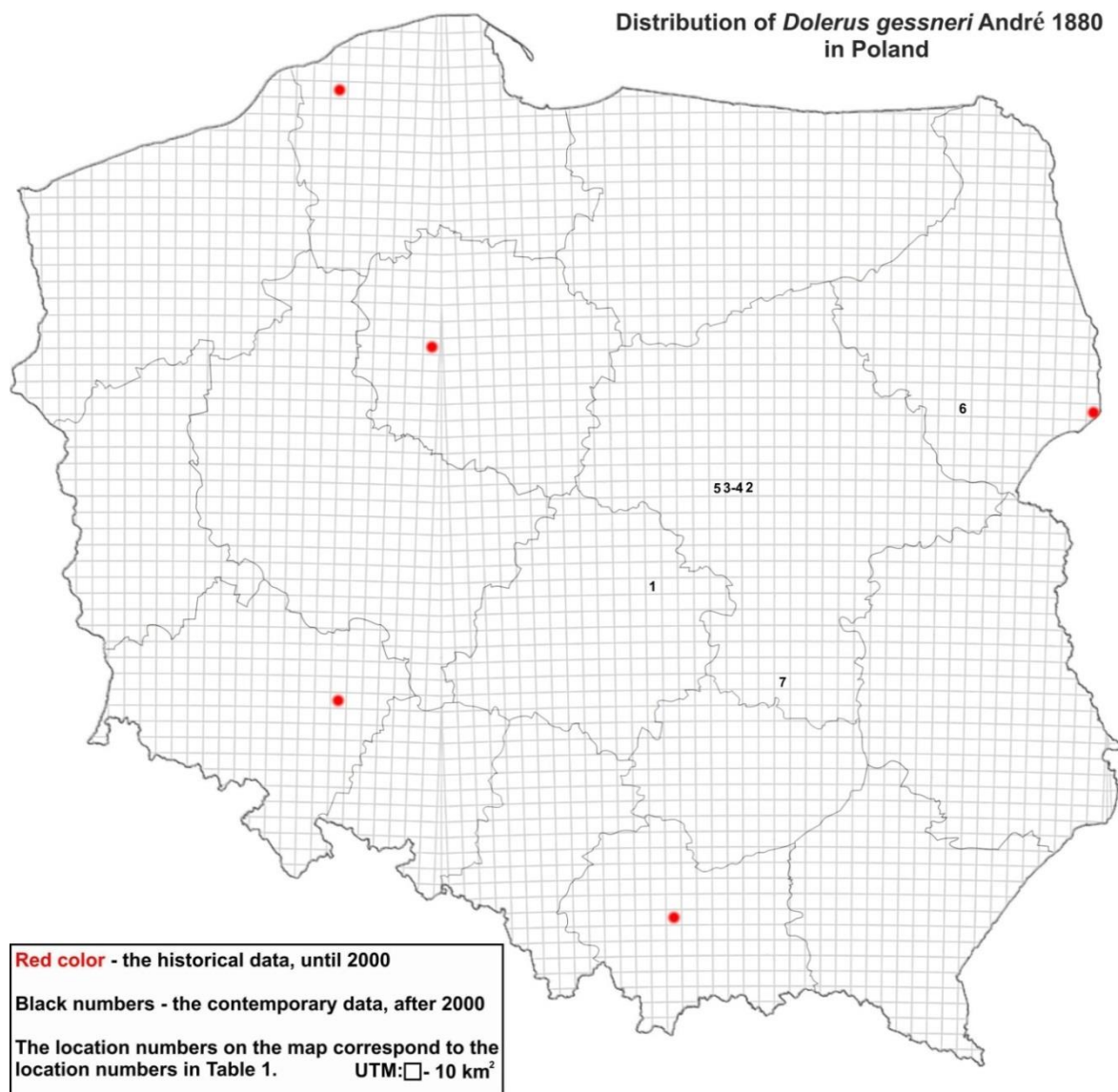
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<sup>1</sup> Studies in Kampinos National Park have been supported by Forest Fund of the State Forest Farm „Lasy Państwowe” in 2017, in frames of the program „Hymenoptera: Symphyta of the Kampinos National Park. Stage II”.

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 gessneri* André has been found is presented in Tab. 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 M. Miłkowski and R. Plewa (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 gessneri* André in 2012-2017.

Locality number	Locality name	GPS coordinates UTM grid	Short description
1	Popień Range	N 51°46'42" E 19°56'16" UTM: DC23	Forest area at Rawka river fringed with alder stands, patches of sedge and intensively mowed meadows.
2	Kampinos National Park - „Truskaw” meadow	N 52°18'52" E 20°45'49" UTM: DC89	Meadow in Kampinos National Park near Truskaw; natural mid-forest meadow with numerous species of sedges, grasses and rushes.
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 – „Ławy” old orchard	N 52°17'36" E 20°40'32" UTM: DC79	Midforest thickets and clearings in place of old village buildings near Ławy village; numerous species of grass and ruderal vegetation.
5	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.
6	Rudka near Brańsk	N 52°43'40" E 22°44'29" UTM: FD14	Oak stands near Rudka village.
7	Wola Lipniecka near Radom	N 51°15'41" E 21°00'36" UTM: EB07	Slopes of embankment of the Radom – Skarżysko-Kamienna railroad in immediate vicinity of fields and barrens.



**Map 1.** Distribution of *Dolerus gessneri* André in Poland.

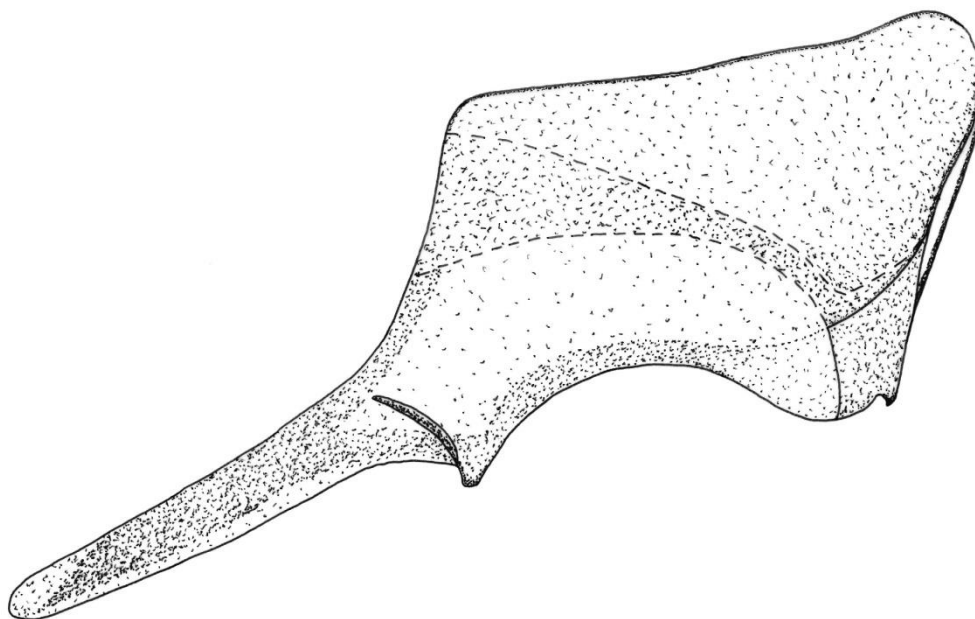
*Dolerus (Equidolerus) gessneri* André, 1880 (Fig. 1)

**Known localities:** Bieńkowice (Niezabitowski 1897); Wrocław (Dittrich 1905); Bydgoszcz env. (Meyer 1912); Słupsk (Karl 1925); Białowieża Primeval Forest (Trojan & al. 1994).

**New localities:** {1}, Popień Range (UTM: DC23), 16.V.2015, 1♀; {2}, Kampinos National Park (UTM: DC89), 25.V.2015, 1♀; {3} Kampinos National Park (UTM: DC79), 16.V.2017, 1♀; {4}, Kampinos National Park (UTM: DC79), 1-31.V.2017, 2♂♂; {5}, Kampinos National Park (UTM: DC69), 11.V.2016, 1♂; {6}, Rudka (UTM: FD14), 12.V.-12.VIII.2015, 1♀, leg. R. Plewa; {7}, Wola Lipniecka (UTM: EB07), 31.V.2014, 1♀, leg. M. Miłkowski.

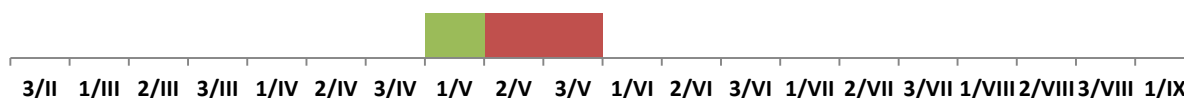
**Host plant:** *Equisetum* spp.

**Geographical distribution:** The species occurs almost throughout Europe, Siberia, Mongolia, China, Japan and Sakhalin especially in their northern parts and in Alaska (Haris 2000; Taeger & al. 2006, 2010; Sundukov & Lelej 2009).



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

*Dolerus gessneri* is a rare species in Poland, flying in May (Fig. 2) and collected one-by-one, in wet or dry, open or forested habitats.



**Fig. 2.** Period of appearance of *Dolerus gessneri* André 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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