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## SHORT COMMUNICATION

### **Materials to the knowledge of Polish sawflies. The genus *Dolerus* Panzer, 1801 (Hymenoptera, Symphyta, Tenthredinidae, Selandriinae). Part XIII - *Dolerus pratensis* (Linnaeus, 1758)**

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#### **ABSTRACT**

The paper presents historical and new faunistic data concerning the occurrence of *Dolerus pratensis* (Linnaeus, 1758) in Poland, supplemented with elements of bionomy – in particular phenology of the appearance of imagines – and general geographical distribution.

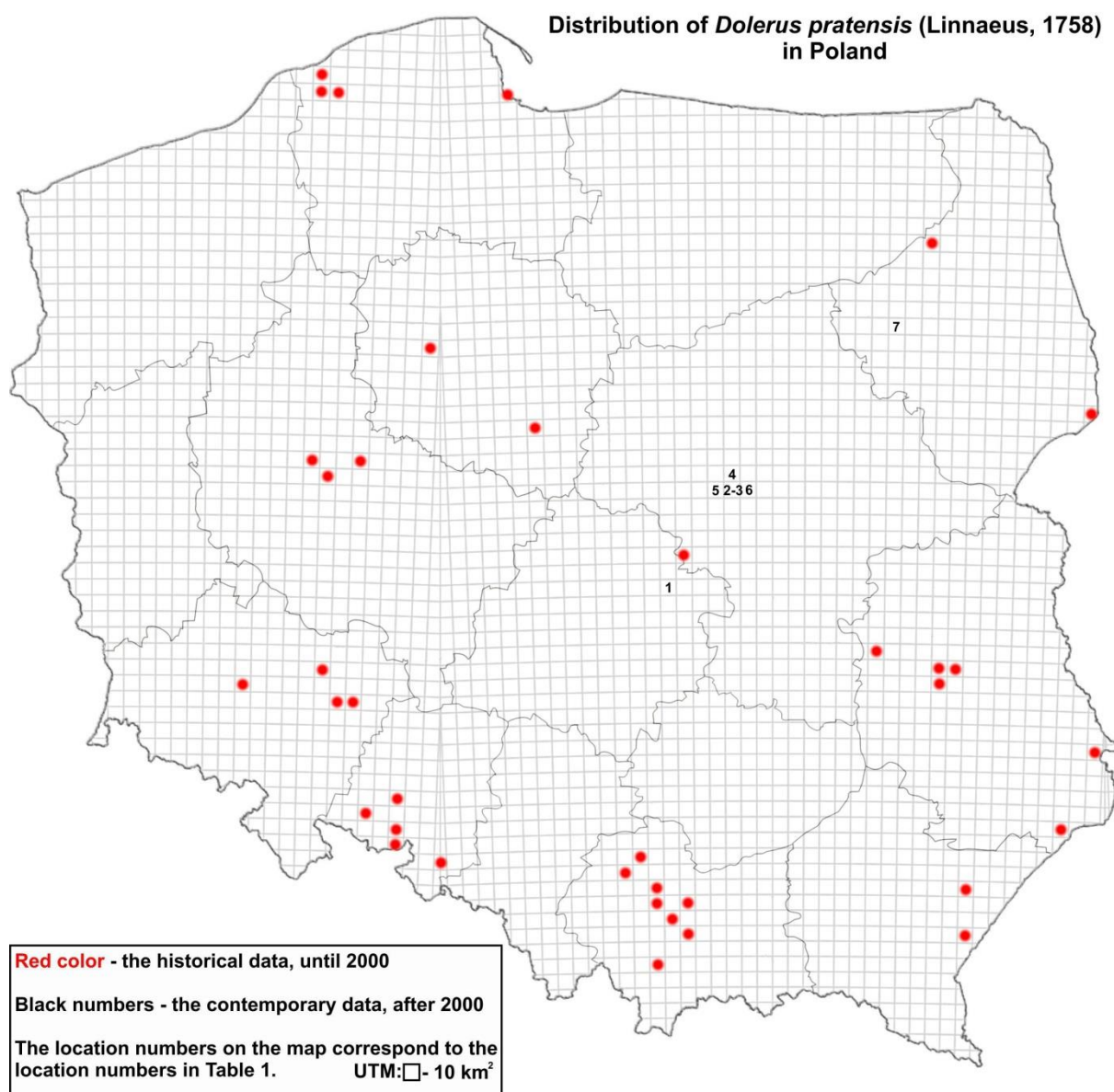
**Keywords:** Hymenoptera, Symphyta, Tenthredinidae, Selandriinae, *Dolerus pratensis*, sawflies, Poland, faunistic data, bionomy

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 pratensis* (L.) 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 pratensis* (L.) 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	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.
3	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.
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	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	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.
7	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.



**Map 1.** Distribution of *Dolerus pratensis* (L.) in Poland.

*Dolerus (Equidolerus) pratensis* (Linnaeus, 1758) (Fig. 1)

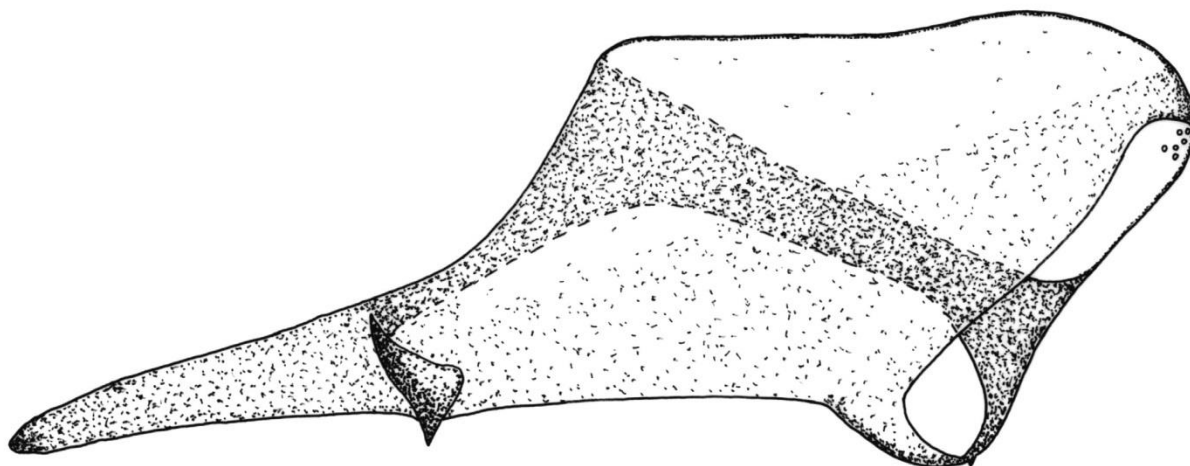
**Known localities:** Kraków (Wierzejski 1868); Sopot (Brischke & Zaddach 1883); Bieńkowice, Kłaj, Kraków, Krzeszowice (Niezabitowski 1897); Szczyrzyc, Jarosław, Gródek, Przemyśl, Skąpa, Chabówka, Łobzów (Niezabitowski 1899); Wrocław, Wrocław-Strachocin, Oborniki Śląskie, Legnica (Dittrich 1905); Bydgoszcz env. (Meyer 1912); Białowieża, Masurian Lakeland: Łękowo (Bischoff 1925); Kiekrz, Pobiedziska (Ruszkowski 1925); Słupsk, Widzino, Ustka (Karl 1925); Górny Śląsk: Prudnik, Biała, Nysa, Tułowice, Maciowakrze (Torka 1929); Skierniewice, Stary Brześć, Puławy (Obarski 1931); Lublin-

Czechów, Lublin-Sławin (Miczulski 1964); Elizówka (Miczulski 1964, 1980); Lublin, Jakubowice (Cmoluch & Piotrowski 1975); Poznań (Luterek 1977); Lublin Upland, Roztocze: Machnów (Miczulski & Lipińska 1988).

**New localities:** {1}, Głuchów Range (UTM: DC33), 16.V.2015, 2♀♀, 1♂; 20.V.2014, 1♀; {2} Kampinos National Park (UTM: DC79), 24.V.2016, 1♀; {3}, Kampinos National Park (UTM: DC79), 29.V.-26.VI.2017, 1♀; {4}, Kampinos National Park (UTM: DD70), 10.V.2016, 1♀, 1♂; {5}, Kampinos National Park (UTM: DC69), 11.V.2016, 5♀♀; {6}, Kampinos National Park (UTM: DC89), 16.V.2015, 1♂; {7}, Drozdowo (UTM: ED79), 15.V.2013, 2♀♀, 1♂.

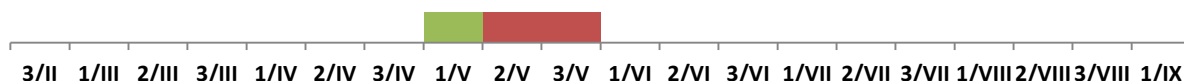
**Host plant:** *Equisetum* spp.

**Geographical distribution:** The species occurs almost throughout Europe and Siberia (Haris 2000; Taeger & al. 2006, 2010).



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

One of the largest among Polish species of *Dolerus*, highly variable in colouration. Males and females appear simultaneously, usually in the second decade of May. Swarming peaks in second and third decade, but lasts so shortly that in June the species has already not been observed (Fig. 2). *D. pratensis* flies swiftly, being captured usually one-by-one, by accident, in wet places, often above water, near host plants, together with *D. bimaculatus*, being however much rarer.



**Fig. 2.** Period of appearance of *Dolerus pratensis* (L.) 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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