

NEW DATA ON THE DISTRIBUTION OF *CALOPTILIA ROSCIPENNELLA* IN BELARUS

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Introduction. The penetration of alien species has become a global problem with serious economic, environmental and social consequences (Semenchenko & Pugachevsky, 2006). Due to the intensification of transport flows and changes in the regional climate, extensive penetration of insects beyond their natural range is noted.

For the first time in Belarus, *Caloptilia roscipennella* was noted in 2015 (Sinchuk, Buga & Baryshnikova, 2020). The species is included in the "Black Book of Invasive Animal Species of Belarus" with category A2 due to the decreases in the photosynthetic surface area and productivity of walnut (Sinchuk, Baryshnikova & Sinchuk, 2020).

Materials and methods. Damaged walnut leaf blades were collected during 2020 in Belarus. The pest was identified by the nature of the damage (Ellis, 2007).

Results. During the collection season 2020, *Caloptilia roscipennella* was identified in the following locations:

Grodno region, Grodno (Kolozhsky Park), 53°40'52.9"N 23°49'13.3"E on *Juglans* sp., 15.07.2020, col./det. A.V. Sinchuk, N.V. Sinchuk; Grodno (Kolozhsky Park), 53°40'51.5"N 23°48'55.5"E on *Juglans regia*, 15.10.2020, col./det. A.V. Sinchuk;

Brest region, Pruzhany (Lazo Str., 7), 52°33'07.9"N 24°28'37.9"E, on *Juglans regia*, 15.07.2020, col./det. A.V. Sinchuk, N.V. Sinchuk;

Gomel region, Dobrush (Gagarin Str.), 52°25'07.3"N 31°18'34.4"E photo by D.Yu. Kondratenko, on *Juglans regia* (<https://www.inaturalist.org/observations/58500496>), 15.08.2020, det. A.V. Sinchuk.

Conclusion. The larvae of *Caloptilia roscipennella* damage leaves of the common walnut (*Juglans regia* L.). There are 3 new points of registration of the invasive phytophage that have been established in Belarus. The northernmost registration of the species of the country in Grodno.

References

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