UDK 595.76
DOI 10.52575/2712-9047-2025-7-1-113-116

On a Finding of the Coffee Bean Weevil *Araecerus fasciculatus* (De Geer, 1775) (Coleoptera, Anthribidae) in Yaroslavl Region, Russia

Alexey S. Sazhnev
Papanin Institute for Biology of Inland Waters, Russian Academy of Sciences,
101 Borok settl., Yaroslavl Region 152742, Russia
E-mail: sazh@list.ru

Received March 3, 2025; Revised March 4, 2025; Accepted March 5, 2025

Abstract. Two specimens of the polyphagous pest, coffee bean weevil *Araecerus fasciculatus* (DeGeer, 1775), were found in the Borok settlement (Nekouzsky District) of Yaroslavl Region for the first time. The article provides up-to-date information on the distribution of this invasion species in Russia.

Keywords: alien species, distribution, invasion, range, pests

Funding: the work was carried out within the framework of state assignment No. 124032500016-4.

For citation: Sazhnev A.S. 2025. On a Findmg of the Coffee Bean Weevil Araecerus fasciculatus (De Geer, 1775) (Coleoptera, Anthribidae) in Yaroslavl Region, Russia. *Field Biologist Journal*, 7(1): 113–116. DOI: 10.52575/2712-9047-2025-7-1-113-116

О находке кофейного ложнослоника *Araecerus fasciculatus* (De Geer, 1775) (Coleoptera, Anthribidae) в Ярославской области (Россия)

А.С. Сажнев
Институт биологии внутренних вод им И.Д. Папанина Российской академии наук,
Россия, 152742, Ярославская обл., п. Борок, д. 101
E-mail: sazh@list.ru

Поступила в редакцию 03.03.2025; поступила после рецензирования 04.03.2025; принята к публикации 05.03.2025

Аннотация. Два экземпляра многоядного вредителя – кофейного ложнослоника *Araecerus fasciculatus* (DeGeer, 1775) были впервые обнаружены в п. Борок Некоузского района Ярославской области. Приводится современное распространение этого инвазионного вида в России.

Ключевые слова: ареал, вредители, инвазия, инвазионные виды, распространение

Финансирование: работа выполнена в рамках исследований по программе государственного задания 124032500016-4.

Для цитирования: Сажнев А.С. 2025. О находке кофейного ложнослоника *Araecerus fasciculatus* (De Geer, 1775) (Coleoptera, Anthribidae) в Ярославской области (Россия). *Полевой журнал биолога*, 7(1): 113–116. DOI: 10.52575/2712-9047-2025-7-1-113-116

ПОЛЕВОЙ ЖУРНАЛ БИОЛОГА. 2025. Том 7, № 1 (113–116)
FIELD BIOLOGIST JOURNAL. 2025. Volume 7, No. 1 (113–116)

Introduction

The coffee bean weevil *Araecerus fasciculatus* (De Geer, 1775) (=*Anthribus coffeae* (Fabricius, 1801)) (Coleoptera, Anthribidae), described from India [Woodruff, 1972], has become cosmopolitan [Alonso-Zarazaga et al., 2023]. As a polyphagous pest, this species has been recorded in nearly 100 different stored products [Woodruff, 1972]. However, damage caused by the coffee bean weevil to live plants or their fruits has also been recorded in natural habitats [Woodruff, 1972; Childers, Woodruff, 1980]. *Araecerus fasciculatus* is among the pests which, if they penetrate to Russia, can be dangerous for the sunflower or citrus [Izhevsky, 1997].

Materials and Methods

The photo was taken with a Leica MC170 HD digital camera mounted on a Leica M165C stereomicroscope and an Olympus DP23 6Mpx digital camera mounted on Olympus CX43 compound microscope. The image was processed and combined in Helicon Focus 7.7.4 and Zerene Stacker 1.04 software.

The map was created using the online project https://www.simplemappr.net. GPS coordinates are taken according to Google Maps.

The specimens are deposited in the collection of the Papanin Institute for Biology of Inland Waters Russian Academy of Sciences, Borok, Yaroslavl Region, Russia (IBIW).

Results and Discussion

Family ANTHRIBIDAE Billberg, 1820

Araecerus fasciculatus (De Geer, 1775) (Fig. 1)

Material examined. Russia: Yaroslavl Region, Borok settlement, 58°03'53.8"N 38°13'56.5"E, in the kitchen, 27.02.2025–28.02.2025, 2♀, I.A. Goncharova leg. (IBIW).

Two specimens of *Araecerus fasciculatus* were collected in the winter of 2025 in Yaroslavl Region for the first time. All specimens were collected indoors in the kitchen, where they developed in foodstuff, probably in coffee imported from South Vietnam as a result of personal shopping.

A. fasciculatus had been imported into Russia (including former USSR) on several occasions [Ter-Minassian, 1974], but its continuous reproduction in the country's territory had not been documented. In European Russia *A. fasciculatus* was found in imported products in two megapolises – St. Petersburg [Koval et al., 2019] and Moscow (see: https://www.inaturalist.org/observations/204716679). The coffee bean weevil was included in the list of beetles of Kaliningrad Region [Alekseev, 2016] on the basis of data from H. Bercio and B. Folwaczny [1979], which was not correct for this Russian territory [Koval et al., 2019].

In 2016, a single specimen of *A. fasciculatus* was found on *Pittosporum tobira* (Thunb.) W.T. Aiton (Pittosporaceae) in Krasnodar Territory (Sochi), and in 2009–2013, this weevil was collected in natural habitats on Kunashir Island (Southern Kurils) [Koval et al., 2019]. No other records in the territory of Russia are known of.

Conclusions

Thus, the species *Araecerus fasciculatus* is currently known for Russia from St Petersburg, Yaroslavl Region (Borok), Moscow, Krasnodar Territory (Sochi), and Sakhalin Region (the Southern Kurils, Kunashir Island). This species is probably periodically imported into other cities and settlements in Russia, but in natural habitats it has only been recorded in southern European Russia and the Far East (Fig. 2).

The author is grateful to I.A. Goncharova and A.A. Prokin for collecting and providing material on the weevil.

Fig. 1. Female of *Araecerus fasciculatus* from Yaroslavl Region (Borok). Scale bar – 1 mm
Рис. 1. Самка *Araecerus fasciculatus* из Ярославской области (Борок). Линейка – 1 мм

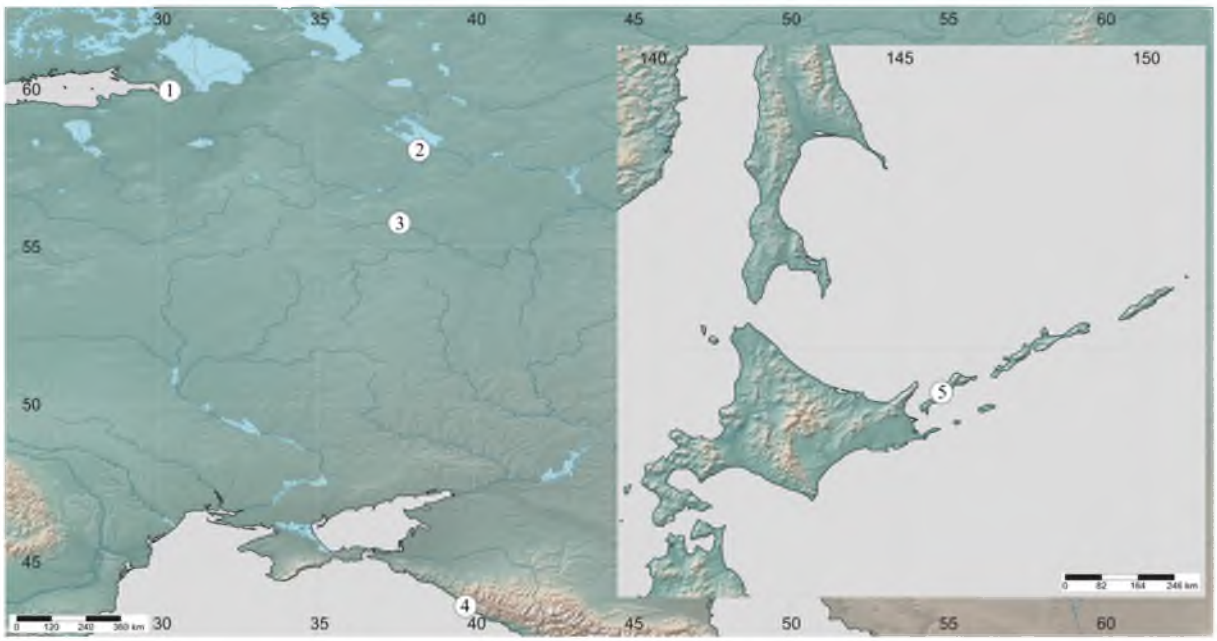

Fig. 2. Findings of *Araecerus fasciculatus* in Russia:
1 – Saint Petersburg; 2 – Yaroslavl Region (Borok); 3 – Moscow; 4 – Krasnodar Territory (Sochi);
5 – Sakhalin Region (the South Kurils, Kunashir Island)
Рис. 2. Находки *Araecerus fasciculatus* в России:
1 – Санкт-Петербург; 2 – Ярославская обл. (Борок); 3 – Москва; 4 – Краснодарский край (Сочи);
5 – Сахалинская обл. (Южные Курилы, о. Кунашир)

References

Alekseev V.I. 2016. Checklist of Curculionoidea (Insecta: Coleoptera) of the Kaliningrad Region (Russia). *Zoology and Ecology*, 26(3): 191–226.

Bercio H., Folwaczny B. 1979. Verzeichnis der Käfer Preussens. Gedruckt im Rahmen der Veröff entlichungen des Vereins für Naturkunde in Osthessen. Fulda, Parzeller & Co, 369 p.

Childers C.C., Woodruff R.E. 1980. A Bibliography of the Coffee Bean Weevil *Araecerus fasciculatus* (Coleoptera: Anthribidae). *Bulletin of the Entomological Society of America*, 26(3): 384–394.

Alonso-Zarazaga M.A., Barrios H., Borovec R., Bouchard P., Caldara R., Colonnelli E., Gültekin L., Hlaváč P., Korotyaev B., Lyal C.H.C., Machado A., Meregalli M., Pierotti H., Ren L., Sánchez-Ruiz M., Sforzi A., Silfverberg H., Skuhrovec J., Trýzna M., Velázquez de Castro A.J., Yunakov N.N. 2023. Cooperative Catalogue of Palaearctic Coleoptera Curculionoidea. 2nd edition. Monografías electrónicas S.E.A., Vol. 14, 780 pp.

Izhevsky S.S. 1994. Prognosis of the Appearance of New Pests Is the Basis for Planning Intentional Introductions. *Zashchita Rasteniy*, 7: 8–9.

Koval A.G., Makarov K.V., Korotyaev B.A. 2019. On a fmding of the polyphagous pest, coffee bean weevil *Araecerus fasciculatus* (DeG.) (Coleoptera, Anthribidae), in natural habitats of different regions of Southern Russia. *Entomological Review*, 99: 129–132. DOI: 10.1134/S0013873819010160

Ter-Minassian M.E. 1974. Family Anthribidae. In: Insects and Mites – Pests of Agricultural Crops. Vol. 2. Coleoptera. Kryzhanovsky O.L. (ed.). Leningrad, Nauka: 208–209 (in Russian).

Woodruff R.E. 1972. The Coffee Bean Weevil, *Araecerus fasciculatus* (De Geer). A Potential New Pest of Citrus in Florida (Coleoptera: Anthribidae). *Florida Department of Agriculture & Consumer Services. Division of Plant Industry. Entomology Circular*, 117: 1–2.

Conflict of interest: no potential conflict of interest related to this article was reported.
Конфликт интересов: о потенциальном конфликте интересов не сообщалось.

ИНФОРМАЦИЯ ОБ АВТОРЕ

Сажнев Алексей Сергеевич, кандидат биологических наук, старший научный сотрудник, Институт биологии внутренних вод им. И.Д. Папанина РАН, п. Борок, Ярославская обл., Россия

INFORMATION ABOUT THE AUTHOR

Alexey S. Sazhnev, Candidate of Biological Sciences, Senior Researcher, Papanin Institute for Biology of Inland Waters of Russian Academy of Sciences, Borok settl., Yaroslavl Region, Russia
ORCID: 0000-0002-0907-5194