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New Record of the Coffee Bean Weevil *Araecerus fasciculatus* (De Geer, 1775) (Coleoptera, Anthribidae) in the European Part of Russia

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Abstract. Over 30 specimens of the coffee bean weevil *Araecerus fasciculatus* (De Geer, 1775) (Coleoptera, Anthribidae) were found in the city of Voronezh for the first time. This is the fifth record of this polyphagous quarantine pest in the territory of European Russia. *Araecerus fasciculatus* was imported to Voronezh from South Vietnam along with dried wild bananas *Musa balbisiana* Colla, 1820. The article includes photographs of both male and female specimens of this species, as well as photos of their genitalia taken for the first time.

Keywords: alien species, distribution, pests, quarantine, range, Voronezh Region

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Новое указание кофейного ложнослоника *Araecerus fasciculatus* (De Geer, 1775) (Coleoptera, Anthribidae) из европейской части России

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Аннотация. Более 30 особей кофейного ложнослоника *Araecerus fasciculatus* (De Geer, 1775) (Coleoptera, Anthribidae) было впервые найдено в г. Воронеже. Это уже пятый случай обнаружения на

территории европейской части России этого карантинного многоядного вредителя. В Воронеж *Araecerus fasciculatus* был завезен из Южного Вьетнама вместе с сушеными дикорастущими бананами *Musa balbisiana* Colla, 1820. В статье представлены фотографии самца и самки этого вида, а также впервые фотографии их половых органов.

Ключевые слова: ареал, вредители, Воронежская область, инвазионные виды, карантин, распространение

Финансирование: работа выполнена в рамках исследований по программе государственного задания 124032500016-4, а также частично профинансирована грантом Российского научного фонда 22-14-00026-П.

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Introduction

The coffee bean weevil *Araecerus fasciculatus* (De Geer, 1775) (Coleoptera, Anthribidae), has become a cosmopolitan invader [Cooperative Catalogue..., 2017]. As a polyphagous quarantine pest, this species has been recorded in nearly 100 different stored products and live plants [Woodruff, 1972; Childers, Woodruff, 1980; Morimoto, 1978] all over the world and in about 30 countries of the Palaearctic Region [Cooperative Catalogue..., 2017]. In Russia, *A. fasciculatus* has been reliably recorded in imported foodstuffs in St. Petersburg, Moscow, and Borok in Yaroslavl Region [Koval et al., 2019; Sazhnev, 2025]. This anthribid species has also been collected in natural habitats in Krasnodar Krai (Sochi) and on Kunashir Island in the Southern Kurils [Koval et al., 2019]. This article provides a new finding of the coffee bean weevil *A. fasciculatus* in the European part of Russia.

Materials and Methods

The photographs were taken using a Leica MC170 HD digital camera mounted on a Leica M165C stereomicroscope and an Olympus DP23 6Mpx digital camera. The photos were processed and combined in Helicon Focus 7.7.4 and Zerene Stacker 1.04 software.

Before photography, genitalia had been cleaned in lactic acid for one or several days and, after removing excess membranes and tissues with dissecting needles, they were transferred to a clean portion of lactic acid for photography.

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

Results and Discussion

Araecerus fasciculatus (De Geer, 1775) (Fig. 1–2).

Material examined. Russia: 29 Abyzova St, Voronezh, Voronezh Region, in a house, in dried wild bananas (*Musa balbisiana* Colla, 1820) from Vietnam, 10.08.2025, 5♂, 3♀ (A.A. Prokin leg.) (IBIW).

More than 30 specimens of *Araecerus fasciculatus* were found, but only eight specimens were collected in alcohol.

The bananas sealed in a thick plastic bag, in which beetles were found, were purchased in Ho Chi Minh City at the end of December 2024 and showed no visible signs of pest infestation. They were stored at room temperature.

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In 2018, we observed the drying process of wild bananas in the vicinity of the Cat Tien (Dong Nai) National Park in Lam Dong Province, Vietnam. They are dried in the open air in the sun, at the roadsides. As a result, this method of drying involves a high risk of contamination of the product with many pests.

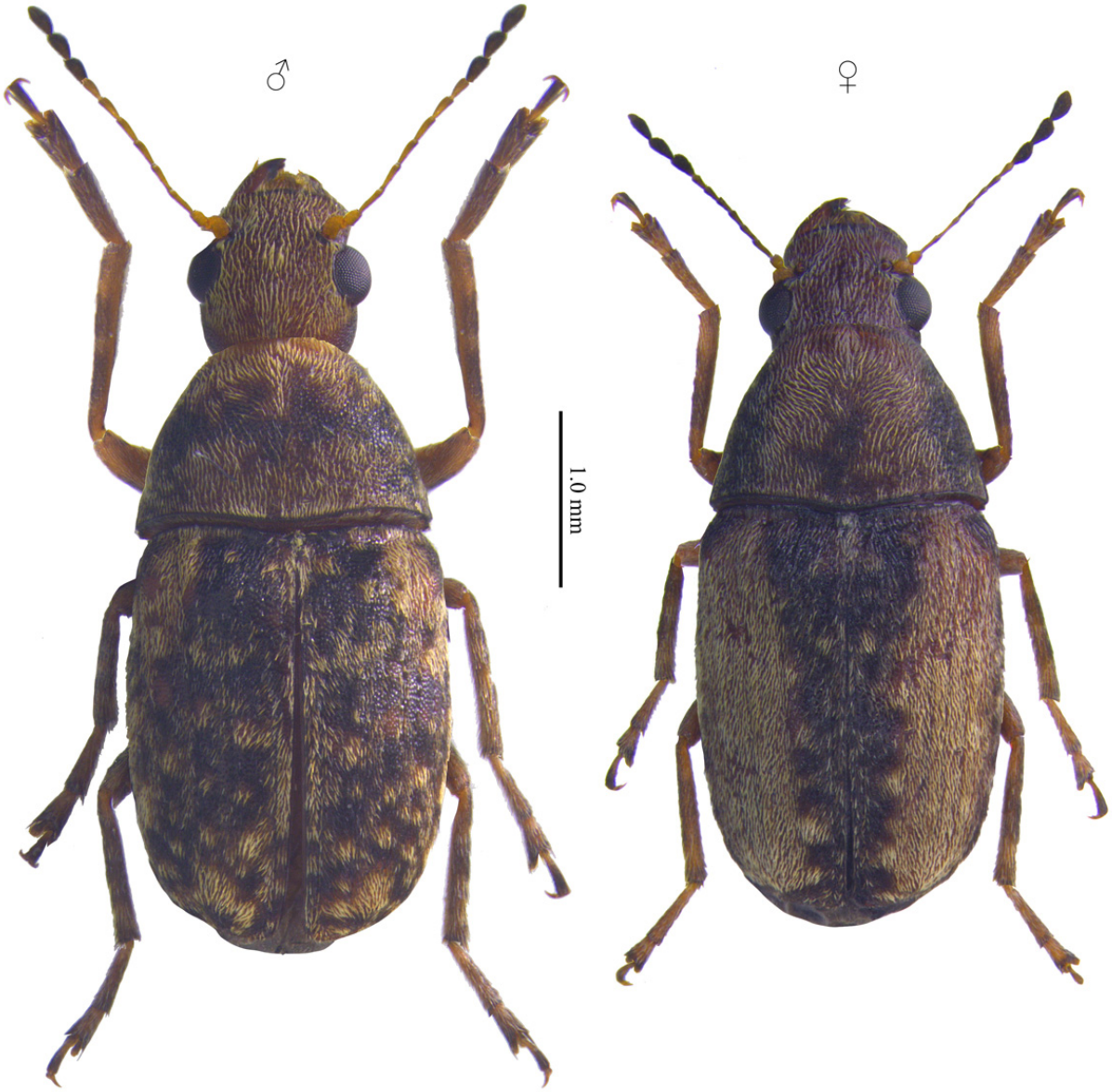

Fig. 1. Male (♂) and female (♀) of *Araecerus fasciculatus* from Voronezh, habitus dorsally
Рис. 1. Самец (♂) и самка (♀) *Araecerus fasciculatus* из Воронежа, вид сверху

Conclusions

Thus, taking into account our new finding, we can state that the species *Araecerus fasciculatus* is currently known for Russia from St. Petersburg, Yaroslavl Region (Borok), Moscow, Voronezh Region (Voronezh), Krasnodar Krai (Sochi), and Sakhalin Region (the Southern Kurils, Kunashir Island).

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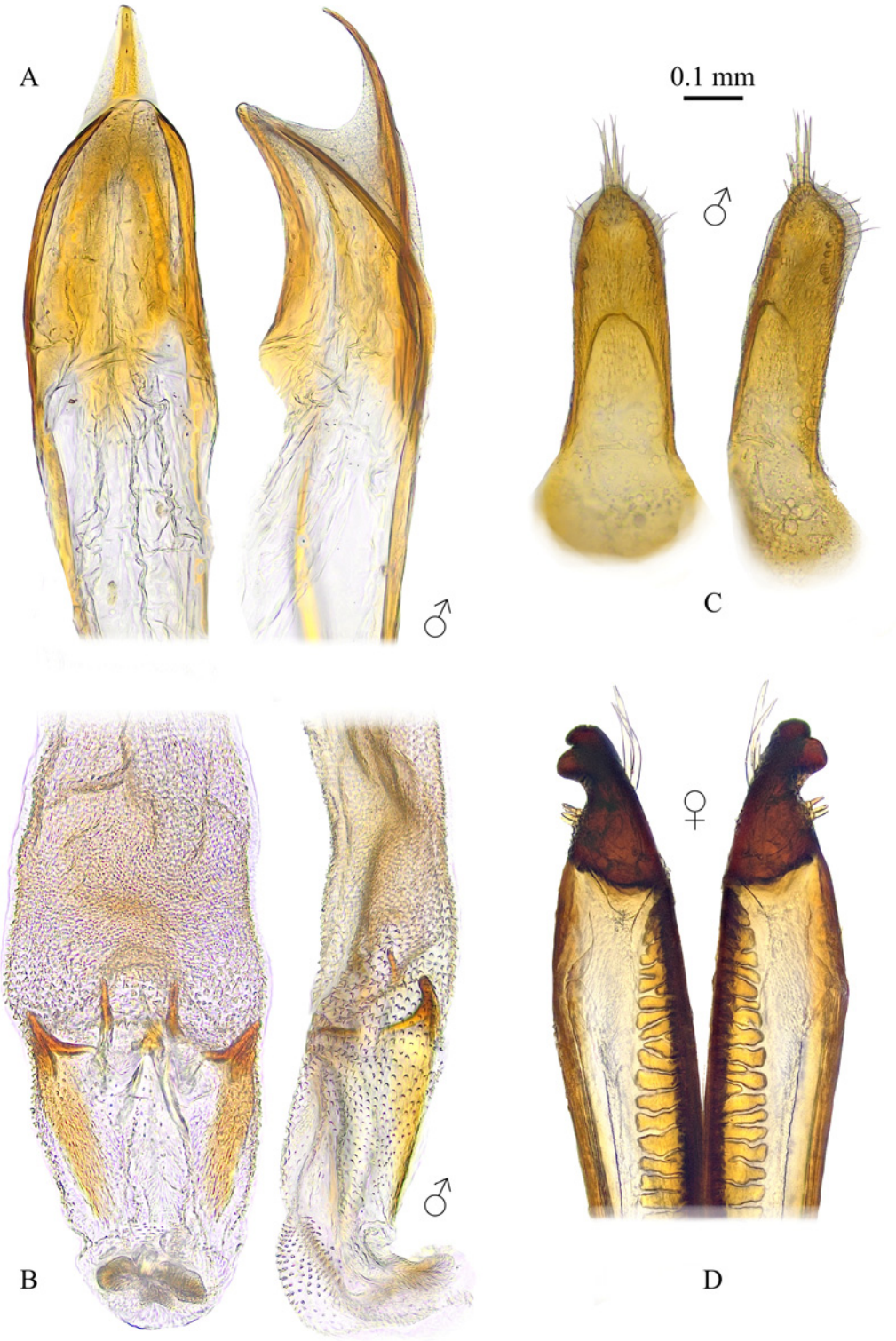

Fig. 2. Male (♂) and female (♀) genitals of *Araecerus fasciculatus*:
A – aedeagus, distal part, dorsal and lateral view; B – inner sac of the penis, dorsal and lateral view;
C – tegmen, dorsal and lateral view; D – distal part of ovipositor with hemisternites IX, dorsal view
Рис. 2. Гениталии самца (♂) и самки (♀) *Araecerus fasciculatus*:
A – дистальная часть эдеагуса, вид сверху и сбоку; B – внутренний мешок пениса, вид сверху и сбоку;
C – тегмен, вид сверху и сбоку; D – дистальная часть яйцеклада с полустернитами IX, вид сверху

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