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FIRST RECORD OF *OTIORHYNCHUS* (*CRATAEGODES*) *CRATAEGI* GERMAR, 1823 (COLEOPTERA: CURCULIONIDAE: ENTIMINAE) IN KYIV (UKRAINE)

Назаренко, В. Ю. Перша знахідка жука-довгоносики *Otiiorhynchus* (*Crataegodes*) *crataegi* Germar, 1823 (Coleoptera: Curculionidae: Entiminae) в Києві (Україна). *Вісник Харківського ентомологічного товариства*. 2026. Т. XXXIV, вип. 1. С. 14–17. DOI: 10.36016/KhESG-2026-34-1-3.

Наведено відомості про першу знахідку *Otiiorhynchus crataegi* у Києві. Раніше цей вид був достеменно відомий лише із заходу України (Закарпатської та Львівської областей) і АР Крим.

4 рис., 26 назв.

Ключові слова: Entiminae, жуки, довгоносики, Київ, фауна, розповсюдження.

Nazarenko, V. Yu. First record of *Otiiorhynchus* (*Crataegodes*) *crataegi* Germar, 1823 (Coleoptera: Curculionidae: Entiminae) in Kyiv (Ukraine). *The Kharkiv Entomological Society Gazette*. 2026. Vol. XXXIV, iss. 1. P. 14–17. DOI: 10.36016/KhESG-2026-34-1-3.

Information about the first record of *Otiiorhynchus crataegi* in Kyiv is provided. Previously, the species was known to exist in the western part of Ukraine (Lviv and Zakarpattia regions) and in AR Crimea.

4 figs, 26 refs.

Keywords: Entiminae, beetles, weevils, Kyiv, fauna, distribution.

Introduction. The genus *Otiiorhynchus* Germar, 1822 comprises 1,420 species (Yunakov *et al.* 2026) distributed in the Palaearctic Region and adventive to the United States and Canada (Bright, Bouchard, 2008; BCMA, 2019; Alonso-Zarazaga *et al.*, 2024).

In Ukraine, 110 species are known (UkrBIN, 2026).

Otiiorhynchus weevils are well-known and abundant in various habitats, including forests, shrublands, grasslands, steppes, parks, gardens, lawns, ruderal vegetation and even in orchards. While some species are considered pests (Petrukha, Globova, Stovbchatyy, 1988; Palm, 1990, 1998; Bright, Bouchard, 2008; Staverløkk, 2010; BCMA, 2019), others have no economic impact, and there are even poorly known and rare taxa among them (Yunakov *et al.*, 2018).

One such species is *Otiiorhynchus* (*Crataegodes*) *crataegi* Germar, 1823, previously recorded in AR Crimea (Yunakov, 1998; Yunakov *et al.*, 2018) and later in the western part of Ukraine (GBIF, 2025; UkrBIN, 2025).

Materials and methods. Four female specimens of *O. crataegi* were collected in Kyiv, left bank of the Dnieper, Gorbachykh Urochishche in 2025. They were captured by manual collecting in plant debris and leaf litter sifting under broad-leaved shrubs and trees, especially *Amelanchier* and *Rosa*.

Taxonomy follows Alonso-Zarazaga *et al.* (2024). Images and GPS coordinates were obtained using ZTE Blade A7 smartphone with Geo-Tracker software v. 5.2.4.3219. Image editing was done with GIMP v. 2.8.4 (<https://download.gimp.org/gimp/v2.8>) and Inkscape v. 0.48.4 r9939 (<https://inkscape.org/release/inkscape-0.48.4>).

Mapping was performed using a modified relief map of Ukraine (<https://www.mapsland.com/europe/ukraine/large-relief-map-of-ukraine>), GBIF (<https://www.gbif.org/species/1194823>) and Google Maps (<https://www.google.com.ua/maps>).

The general distribution mapping data were obtained from Angelov (1976), Tempère and Pericart (1989), Palm (1998, 1990), Mazur (1993), Morris (1997), Mann and Ismay (2001), Białooki (2015), Yunakov *et al.* (2018, 2026), Nord (2022), Hoebeke, LaBonte, and Loeffler (2024), GBIF (2025), iNaturalist (2025), and UkrBIN (2025).

National distribution mapping data used are from Yunakov *et al.* (2018), GBIF (2025), and UkrBIN (2025). Information on the national distribution at region level follows the adopted standard of 3-letter codes established by Yunakov *et al.* (2018), where asterisk (*) marks a new record.

Abbreviation: SIZK — I. I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine.

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Results and discussions.

Family CURCULIONIDAE Latreille, 1802

Subfamily ENTIMINAE Schoenherr, 1823

Tribe OTIORHYNCHINI Schoenherr, 1826

Genus *Otiorhynchus* Germar, 1822

Subgenus *Crataegodes* Bialooki, 2015

Otiorhynchus crataegi Germar, 1823

References. Yunakov, 1998; Mann, Ismay, 2001; Bialooki, 2015; Yunakov *et al.*, 2018.

Material. Ukraine: Kyiv, left bank of the Dnieper, Gorbachykha Urochishche, plant debris, broad-leaved shrubs and forest, under *Amelanchier* and *Rosa*, N49.449312, E31.059976 — N49.449062, E31.059942, 14.07.2025 (V. Nazarenko) — 4 ♀♀ (SIZK) (Figs. 1–3).

Distribution. Europe, Caucasus, Turkey, adventive in the USA and Canada (Yunakov, 1998; Yunakov *et al.*, 2018, 2026; Alonso-Zarazaga *et al.*, 2024; GBIF, 2025) (Fig. 4). Ukraine: CRI KYI* LWI ZAK.

Biology. The species usually occurs in tree and shrub plant associations in the human settlements and their environs, in Crimea in montane forests (Yunakov, 2003, Yunakov *et al.*, 2018), where it feeds primarily on *Primula* (Yunakov, 2003), and also on *Crataegus* and *Quercus pubescens* Willd. (UkrBIN, 2025). In urban habitats, it appears to be polyphagous, frequently found on supposed host plants *Hedera* (Araliaceae), *Syringa* (Oleaceae), and near *Syringa vulgaris* L. and *Ligustrum ovalifolium* Hassk. (Oleaceae), *Prunus*, *Pyracantha*, *Rosa*, *Cotoneaster* (Rosaceae), *Symphoricarpos* (Caprifoliaceae), *Galium odoratum* L. (Scop.) (Rubiaceae) (Morris, 1997; Palm, 1990; 1998, Mann, Ismay, 2001, UkrBIN, 2025).

During the current study in Kyiv, all the specimens were found in Gorbachykha Urochishche on the left bank of the Dnieper in leaf litter and plant debris under *Amelanchier*, *Cerasus*, and *Rosa* near *Acer* and *Ulmus* in association with amphigonic *O. rotundus* Marseul, 1872 and parthenogenetic *O. ovatus* (Linnaeus, 1758). The feeding notches caused by adults of these species were observed in Kyiv only on leaf margins of *Amelanchier*, *Cerasus*, and *Rosa*, not on *Acer* and *Ulmus*.

The beetles are nocturnal, hiding during the day time in leaf litter near trees and shrubs. The species is univoltine, usually emerging in July, adults and larvae hibernate and can be found throughout the year, being most common in the autumn (Palm, 1998, confirmed by original data).

Otiorhynchus crataegi is parthenogenetic across most of its range, amphigonic populations are known only from Turkey: European part and western part of the Pontic Mountains (Mazur, 1993, Bialooki, 2015). It is recorded from 26 countries in the Western Palaearctic (Alonso-Zarazaga *et al.*, 2024) and was recently found in the USA (Hoebeke, LaBonte, Loeffer, 2024). Notably, Angelov (1976) mistakenly assumed that *O. crataegi* is restricted to the Balkan Peninsula. In Ukraine, this species was previously known only in Crimea for a long time (Yunakov, 1998; Yunakov *et al.*, 2018), recently in 2023 it was observed in Lviv by Andriy Zatushevsky and in Zakarpattia Region (Berehove env.) by Vasyl Hleba (UkrBIN, 2025), and in 2025 in Kyiv (original data). Current distribution of this species (Fig. 4), compared to the restricted primary range from which males have been reported (Mazur, 1993, Bialooki, 2015), indicates the high adaptive and dispersal potential of parthenogenetic weevil populations (Lanteri *et al.*, 2013; Rodriguez *et al.*, 2016, 2019).

Differential diagnosis. *Otiorhynchus crataegi* differs from superficially similar *O. rotundus* by its specific body shape with strongly constricted bases of short pronotum and twice as wide elytra, broad scales and the presence of short erected setae on interstriae.

Conclusions. The discovery of *O. crataegi* in Kyiv significantly expands the known range of the species to the north-east, confirming its rapid distribution in synanthropic areas (cities) in the central part of Ukraine. Likely, the species may also be found in other, especially neighboring regions of Ukraine.

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Declaration of competing interest. The author declares that he has no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.



Fig. 1. *O. crataegi*, ♀, dorsal view.



Fig. 2. *O. crataegi*, natural habitat.

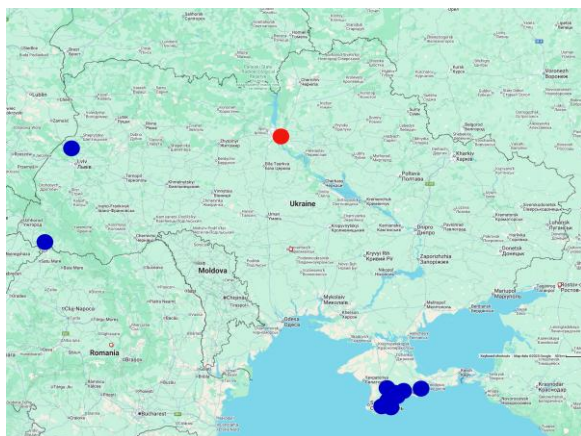


Fig. 3. The occurrences of *O. crataegi* in Ukraine: red dots — new records, blue dots — previously known records (UkrBIN, 2025, changed).

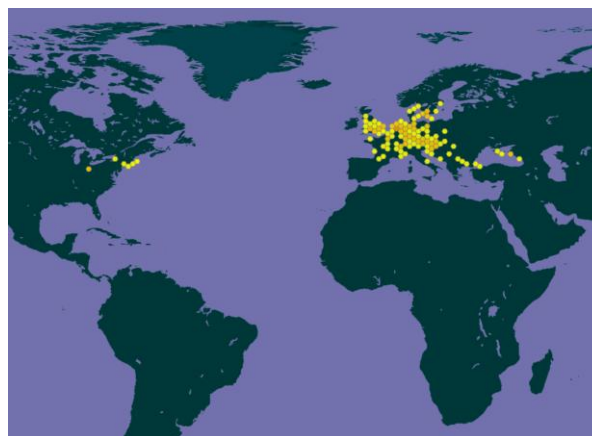


Fig. 4. Worldwide distribution of *O. crataegi* (GBIF, 2025). Records from the western part of Ukraine are not mapped by GBIF.

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