
FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 556

Coleoptera: Carabidae

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Amara (Zezea) kulti Fassati, 1947. Bohemia bor., Mezná u Hřenska, Černý důl valley, burnt pine forest (5151), 50°52'39"N, 14°17'49"E, 250 m a.s.l., 20.vi.–4.vii.2023, 3 ♂♂, pitfall traps, A. Sucháčková & P. Kozel lgt., L. Blažej det., J. Hejkal & P. Vonička revid., coll. L. Blažej (Fig. 1), J. Hejkal & P. Vonička; same locality, 4.–25.vii.2023, 1 ♂, pitfall trap, A. Sucháčková & P. Kozel lgt., L. Blažej det., P. Vonička revid., coll. P. Moravec (Litoměřice, Czech Republic). All pitfall traps were filled with 8% vinegar.

Western Palaearctic species known from Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, France, Germany, Greece, Italy, Montenegro, The Netherlands, North Macedonia, Portugal, Romania, Serbia, Slovenia, Spain, Switzerland, Ukraine, and Morocco (Hieke 2017). It most likely also occurs in Albania, Kosovo, and Poland (see map of geographic range in Schäfer (2004)). Gersdorf & Kuntze (1957) incorrectly stated that *Amara (Z.) kulti* was described from Czechoslovakia (but it was in fact from Germany; see Fassati (1947)).

Amara (Z.) kulti is a thermophilic species (Hieke 1970). It has been found plentifully on grasses (Poaceae, especially *Holcus lanatus* L.), the ripe seeds of which serve as its food (Schäfer & Hannig 2002, Hoess 2015), and are compulsory for females to attain a high fertility (Schäfer 2004). Pétremand et al. (2018) reported *A. (Z.) kulti* from green rooves in Switzerland, which suggests good flying abilities of this species.

The only known Czech locality of *A. (Z.) kulti* represents the initial succession stage after a large forest fire in the Bohemian Switzerland National Park in the summer of 2022 (Fig. 2). The original habitat consisted of pine forest growing on a sandstone bedrock. The place

where *A. (Z.) kulti* was found is undoubtedly an atypical habitat (this species is not among the forest or pyrophilous ground beetles). New species for the Czech Republic.

ACKNOWLEDGEMENTS. We would like to thank the reviewers Martin Linhart (Oleksovice, Czech Republic) and David Sommer (Praha, Czech Republic) for valuable comments on the text. The data were collected as a part of the project financed with the state support of the Technology Agency of the Czech Republic and the Ministry of the Environment of the Czech Republic within the Environment for Life Programme (No. SS06010261).

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Fig. 1. *Amara (Zezea) kulti* Fassati, 1947, male, body length 9.6 mm. Photograph by Lukáš Blažej.

Obr. 1. *Amara (Zezea) kulti* Fassati, 1947, samec, délka těla 9,6 mm. Fotografie Lukáš Blažej.

Fig. 2. Habitat of *Amara (Zezea) kulti* Fassati, 1947, one year after findings. Photograph by Lukáš Blažej, 6.vi.2024.

Obr. 2. Biotop *Amara (Zezea) kulti* Fassati, 1947, jeden rok po nálezech. Fotografie Lukáš Blažej, 6.VI.2024.