

FAUNISTIC RECORDS FROM THE CZECH REPUBLIC– 367

Diptera: Drosophilidae

Drosophila suzukii (Matsumura, 1931). Bohemia occ.: Stará Role (5743, 50°14'34"N 12°50'11"E), 1.ix.2014, 2 ♂♂, 15.ix.2014, 2 ♂♂, 8 ♀♀, 22.ix.2014, 13 ♂♂, 9 ♀♀, 29.ix.2014, 43 ♂♂, 46 ♀♀, trap baited with apple vinegar in the garden, P. Macháček leg.; Němčovice (6147, 49°52'42"N 13°34'29"E), 2.x.2014, 1 ♂, 16.x.2014, 3 ♂♂, 2 ♀♀, trap baited with apple vinegar in the garden, A. Hájková leg.; Všenice (6147, 49°48'56"N, 13°33'44"E), 16.x.2014, 4 ♂♂, 4 ♀♀, trap baited with apple vinegar in the garden, A. Hájková leg.; Radčice (6245, 49°45'44"N 13°19'59"E), 1.x.2014, 11 ♂♂, trap baited with apple vinegar in the garden, 14.x.2014, 1 ♀, breeding from raspberry (*Rubus idaeus*), J. Fictum leg.; all M. Březíková det., coll. M. Březíková, Central Institute for Supervising and Testing in Agriculture, Olomouc and Municipal Museum, Mariánské Lázně. Bohemia centr., Červené Pečky (6057, 49°58'46"N 15°12'28"E), 22.x.2014, 1 ♂, castle park, swept from trees, K. Hradil leg., det. et coll.; Bohemia or., Choltice (6059, 49°59'12"N 15°38'09"E), 23.ix.2014, 1 ♀, trap baited with apple vinegar in the orchard, A. Hejná leg., M. Březíková det., coll. Central Institute for Supervising and Testing in Agriculture, Olomouc; Bohemia mer.: Kardašova Řečice (6855, 49°10'17"N 14°51'11"E),

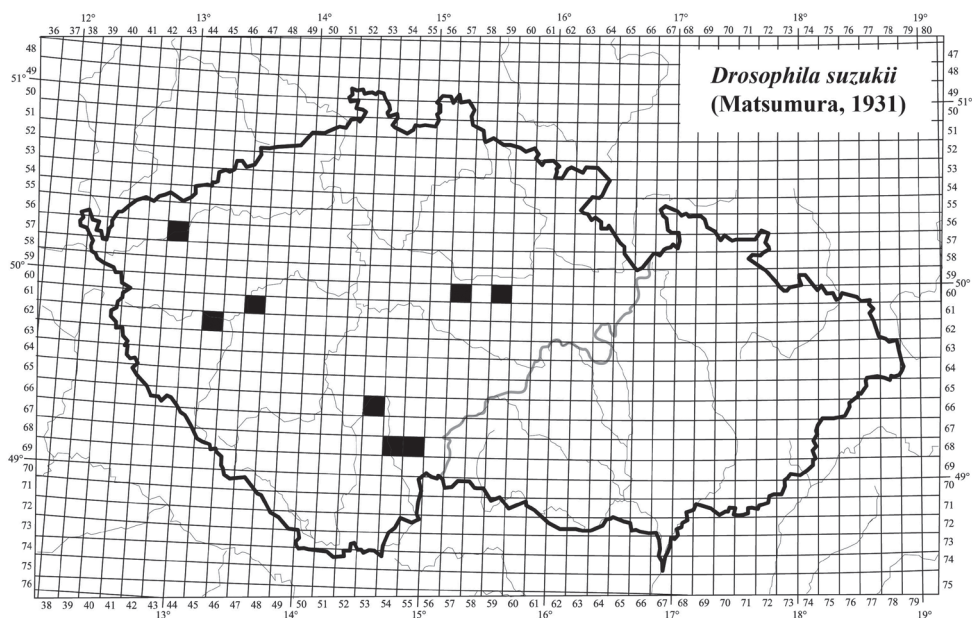


Fig. 1. The present known distribution of *Drosophila suzukii* (Matsumura, 1931) in the Czech Republic.
Obr. 1. Současné rozšíření *Drosophila suzukii* (Matsumura, 1931) v České republice.

shrubs by the Obecní nový rybník pond, 27.ix.2014, 1 ♂, 1 ♀, swept from the trees, L. Dvořák leg. et det., J. Máca revid., coll. Municipal Museum, Mariánské Lázně; Malšice u Tábora (6653, 49°21'44"N 14°35'10"E), 11.xi.2014, 5 ♂♂, 4 ♀♀, trap baited with beer in an orchard; Veselí nad Lužnicí, Blatské sídliště (6854, 49°11'12"N 14°41'47"E), 11.xi.2014, 11 ♂♂, 13 ♀♀, trap baited with beer in a row of *Aronia* bushes, both J. Máca leg., det. et coll. Primarily, the species is widely distributed in the eastern part of Palearctic Region and in some parts of Oriental Region (here in higher altitudes with temperate/subtropical climate), but recently it has been introduced to North America, South America (Deprá et al. 2014) and Hawaii, as well as to Europe (Hauser 2011; Cini et. al. 2012). It is a highly polyphagous and invasive pest, which could cause significant damage to a number of cultivated berry and stone fruit crops in the Czech Republic. *Drosophila suzukii* ovoposits and feeds on healthy fruits, unlike most other *Drosophila* species (Calabria et al. 2012). New species for the Czech Republic (Fig. 1).

CALABRIA G., MÁCA J., BÄCHLI G., SERRA L. & PASCUAL M. 2012: First records of the potential pest species *Drosophila suzukii* (Diptera: Drosophilidae) in Europe. *Journal of Applied Entomology* **136**: 139–147. – CINI A, IORIATTI C. & ANFORA G. 2012: A review of the invasion of *Drosophila suzukii* in Europe and a draft research agenda for integrated pest management. *Bulletin of Insectology* **65** (1): 149–160. – DEPRÁ M., POPPE J. L., SCHMITZ H. J., DE TONI D. C., VALENTE V. L. S. 2014: The first records of the invasive pest *Drosophila suzukii* in the South American continent. *Journal of Pest Science* **87** (3): 379–383. – HAUSER M. 2011: A historic account of the invasion of *Drosophila suzukii* (Matsumura) (Diptera: Drosophilidae) in the continental United States, with remarks on their identification. *Pest Management Science* **67**: 1352–1357.

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