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***Phytomyza gymnostoma* Loew, 1858 (Diptera, Agromyzidae) – onion leaf miner in the Banja Luka region (Republic of Srpska, Bosnia and Herzegovina)**

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Onion leaf miner (*Phytomyza gymnostoma* Loew, 1858, syn. *Napomyza gymnostoma* (Loew, 1858)) (Diptera, Agromyzidae) is species that feeds on various species of onions (*Allium*) and the greatest damages it makes on garden onion (*Allium cepa* L.) and leek (*Allium ampeloprasum* L. var. *porrum* (L.) J. Gay). Nowadays it is widespread in the whole Europe and considered one of the most important pests, especially on young plants in spring and autumn. According to unofficial data, in Bosnia and Herzegovina it is significantly present in the last fifteen years.

During 2006 and 2007, presence and damages of *Phytomyza gymnostoma* adult feeding were observed on onion, at seven different locations in the Banja Luka region. Onion plants were visually observed to find first damages of adult feeding. After determining the first damages, 20 plants in five places (total of 100 plants) in each plot were randomly selected and observed. On the base of observation, the percentage of damaged plants was determined at every location. During spring generation, the length of development stages was monitored at the entomological cages in the open field. Morphological characteristics of the species were studied at the entomological laboratory.

In 2006 the first damages of adult feeding were observed on 22nd April at the G1 location. The highest percentage of damages plants was determinate at A1 location (50%). In 2007 the first damages of adult feeding were observed on 5th April at the G2 location, while the highest percentage of damaged plants was determinate at B2 location (41%). Larval development lasted 29–34 days and pupa development lasted four months, including summer diapause.

Key words: onion pests, onion, pest presence, damage, adult feeding

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