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STUDIES ON *HETEROPTERA* (*HEMIPTERA*) ORDER IN AGROCENOSIS OF WINTER VETCH (*VICIA VILLOSA* ROTH.) IN PLEVEN REGION

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Abstract. During 2007-2010 period was studied the quantitative and qualitative composition of species of *Heteroptera* order in winter vetch agrocenosis in Pleven region, as and the population dynamics of economically the most important species of them in order to proper determine the timing and means of control. Fauna of *Heteroptera* in winter vetch stands was represented by 8 families, 18 genera and 19 species. As dominant pests from family *Pentatomidae* outlined *Piezodorus lituratus* (28.0% of total number), from family *Miridae* - *Lygus rugulipennis* (24.6%), *Adelphocoris lineolatus* (10.3%) and from family *Coreidae* - *Ceraleptus gracilicornis* (9.1%). Useful insects were the species from family *Nabidae* - genus *Nabis* (5.7%) and from family *Anthocoridae* - *Orius niger* (11.1%). The participation of *Heteroptera* order in winter vetch agrocenosis was greatest at the stage of pod formation in the second and third decade of June and in the beginning of July. At this period, in case of need, it should be carried out chemical control. It should be planed 15-20 days before appearance of the imago. The population dynamics of useful species from genus *Nabis* and *Orius niger* followed or corresponded with that of harmful bugs that underlined their important role as bio-agents.

Keywords: *Vicia villosa, Heteroptera order*