

Medical Plants Insects, and Fighting Against Them in Georgia

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Aim of the study: Medical plants play great role in keeping a person's health in a good condition and the spectrum of their usage is high enough. About 4000 species of plants have been recorded in Georgia. Among them-about 400 kinds of medical plants, and many of them are used for preparing phytodrugs in traditional and alternative medicine. Although, nowadays, there are high effective fusionable drugs, plants still are of great importance in medicine. According to Health Protection International Organization data, the need in phytodrugs is very high in the whole world. They rarely cause allergy, are less toxic, do not have accumulation feature etc. Medical plants are damaged by insects that are one of the main tasks of our studying.

Material and methods. Medical plants are highly damaged by different species of insects and this is the reason of plants decreasing and the quality of products obtained from them is poor. Medical plants are damaged by different species of insects. Among all the mentioned insects the most damaging one is the Black Bean Aphid – *Aphis fabae* Scop., that by sucking damages plants, and also, Valeriane and causes a less weight of their roots and decreases the quality. Because of Black Bean Aphid wide distribution, its intensity, negative results, we decided that it was necessary to study the Black Bean Aphid on Valeriane in details and work out such controlling methods that would help us to minimize the quantity of them and assist their natural enemies which decrease the number of insects that quarantees to get ecologically pure product. Studying the insects damaging Valeriane plant, especially the Black Bean Aphid, in Georgian conditions, and the reasons of its distribution, working out the modern controlling methods is a question of great importance.

Results Entomofauna distributed on medical plants in the conditions of Georgia has been published in this thesis for the first time; Black Bean Aphid has been studied in details, its negative impact on Valeriane, western and eastern Georgia climatic conditions influence on the insect distribution has been studied for the first time, on quantity dynamics and development according to this or that phase duration, plant tincture toxics towards the Black Bean Aphid has been studied and their influence on useful entomofauna; ecologically safe controlling methods have been worked out and the implementation of which will decrease insect distribution and provide to obtain ecologically pure product in farms.

Keywords: Medical plants, entomofauna, insects, Georgia.