

THE TREATMENT EFFECT OF PLANT METABOLITES AND BIOINSECTICIDES ON PONTE AND YOUNG LARVAE'S OF COLORADO POTATO BEETLE

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Abstract

In the first years after the appearance of the Colorado potato beetle, the used insecticides were very efficiently, in most countries this pest becoming of minor importance. The situation has changed dramatically in the mid-50s after development of resistance phenomenon. Due to the use of more intense and in the same time the utilization of increasing amounts of insecticides, have been observed negative side effects of chemical treatments. Because of this, in recent years in the control schemes against the Colorado potato beetle it was included a number of biological products that have a role just counteract the negative effects of synthetic insecticides. A number of commercial bioinsecticides such as Laser 240 SC resulted in 100% mortality in few hours after application, NeemAzal T/S also causes higher mortality than 80-90% and a strong ovicidal action. Even if some plant extracts are not like commercial bioinsecticides or synthetic insecticides, they are a viable alternative to eradicate pests of potato crops.

Key words: plants extract, bioinsecticides, mortality
