

COMPARATIVE EVALUATION OF THE EFFICIENCY OF INSECTICIDES IN THE CONTROL OF COTTONWORM CATERPILLARS

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Abstract. The increase in the acreage of corn for grain and the transition to short rotation crop rotations in recent years in the Kabardino-Balkarian Republic contributed to a significant increase in the population of 2nd generation cottonworm caterpillars, an increase in the population of other progressive phytophages: field bugs, stalk species of corn moth, aphids and spider mites. To combat harmful progressive phytophages, a complex of agrotechnical, biological and chemical measures was carried out, which significantly reduced their harmfulness.

The article provides a comparative assessment of the biological effectiveness of new generation insecticides, such as: Avant, CE; Belt, KS; Voliam Flexy, SK; Coragen, KS; Proclame, VRG, against cottonworm caterpillars in comparison with Karate Zeon, ISS on a standard experiment. The phenology of the development of the cotton pest worm in the agrocenosis of maize has been studied.

Keywords: corn, hybrid Karat SV, cotton worm, insecticides, average number of caterpillars, population density, biological efficiency.

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