

GENERAL ASPECTS OF INFLUENCE OF METEOROLOGICAL FACTORS ON THE DEVELOPMENT OF THE COLORADO BEETLE, IN CONDITIONS OF SUCEAVA COUNTRY

Nela TALMACIU¹, Cătălin Ioan ENEA¹, Dumitru BODEA¹, Monica HEREA¹

e-mail: ntalmaciu@yahoo.com

Abstract

The study of Colorado potato beetle biology is conducted in close correlation with the meteorological factors from the hibernal period development. The research was conducted in a potato crop in Suceava over four years. For the study on the evolution and hibernation pest were conducted 15 surveys on soil depth of 0-90 cm the autumn and harmful samoles were collected from 5 to 5 cm. The adults density was recorded by executing a ten polls in monoculture determining the load of adults per m². Following the application the 15 ground polls in potato crop to a decreased biological reserve, in the layer of 30-40 cm more severe winter in 2009-2010 and in milder winters 2010-2011 and 2011-2012 the depth of 25-30 cm. Hibernal adult mortality is dependent on both the amount of freezing soil temperatures during and the amount of rainfall recorded in winter.

Key words: potato culture, hibernation, beetle biology
