A RESEARCH ON CAPIA PEPPER FARMERS' PESTICIDE USE: CASE STUDY OF ÇANAKKALE PROVINCE

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ABSTRACT

The aim of this study is to investigate the pesticide use behavior of capia pepper producers in Çanakkale province. According to data from the 2018, Çanakkale is in the first place in Turkey for cappia pepper production. The share of Çanakkale's capia pepper production in Turkey is 19.4% in 2018. Yenice district alone meets 60.6% of the production of capia pepper in Yenice district in Çanakkale in 2018. For this reason, this research was carried out in Yenice district of Çanakkale province. In Yenice district, 11 villages that produce the most capia pepper were visited. A face-to-face questionnaire was conducted with 206 farmers as a result of simple random sampling formula calculated with 90% confidence interval and 0.05% margin of error. Arithmetic means and frequency table methods were used to evaluate the data obtained from the surveys. According to the research results, the average age of consumers in the research area is 46,3. More than half of the capia pepper producers are primary school graduates (51.0%). All farmers have social security. The rate of farmers who are members of at least one agricultural cooperative is 70, 9 %. Also, 42, 7 % of the farmers have another non-agricultural income. The farming experience of capia pepper producers has been calculated as 25,5 years on average The average production area of capia pepper producers is 20,9 decares. The average capia pepper yield per decare in the study area was calculated as 3.199,3 kg. Considering the pesticide supply locations of the farmers, it is seen that they mostly prefer private pesticide dealers. Farmers mostly apply spraying when they see diseases and pests in the field. Farmers usually decide on drug doses based on the advice of the agricultural engineer or the prospectus. They prefer tractor or dorsal pulvizator in pharmaceutical applications. Empty packages are often destroyed by burning or throwing them at the edge of the field. They often throw away outdated medicines or burn them. Farmers stated that they found the drugs generally dangerous for the environment. According to the results of the research, although the producers of capia pepper know that the wrong drug use is harmful for the environment, they practice harmful practices.

Key words: Capia peper, pesticide, Çanakkale.

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