



Optimizarea structurii cerealelor boabe pentru sămânță, pe specii în microzona Bivolari, din Lunca Prutului

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Optimizarea structurii cerealelor boabe pentru sămânță, pe specii în microzona Bivolari, din Lunca Prutului □□ Optimization of the structure of grain cereals for seeds, by species in the microarea Bivolari, from the meadow of Prut river The hereby survey presents the obtaining of some optimum solutions regarding the agricultural structure and the discovery of several combinations of all the production factors that finally result in production rise providing economic efficiency conditions are ensured. The optimization process is an act of conception and decision making that content depends on a variety of factors specific to each agricultural area or micro area. The analysis was carried out within Bivolari micro area and aimed to obtain the optimization of grain cereals for seeds, by species. The optimization of the structure of grain cereals for seeds was achieved by means of several economic-mathematical patterns based on more restrictions, such as: integral usage of the agricultural area, predominance of some cultures in the cropping rotation system, achievement of a minimum quantity of vegetal products and of a maximum profit. Within the economicmathematical pattern drawn and used for the optimization of the structure of crops, the component elements are: profit maximization and production expenditures minimization, variables – surfaces for plant cultivations, free terms – total surface of production facility, maximum limits for certain cultures, the products needed to be achieved. The conclusion of the survey is that Bivolari micro area is characterized by extremely favorable conditions for cultivating the grain cereals for seeds and that a higher cultivated agricultural area is detected in agricultural year 2006 – 2007.