



## Un modèle pour la prévision de la production des cultures agricoles en fonction du degré d'assurance du nécessaire d'eau

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The harvest production obviously depends on the degree of meeting the demands for water during the vegetation season. In this analysis we started from the fact that the probability of an optimum behaviour of a system is given by the products of the optimum allocation probabilities of the influence factors. The model determines the obtained crop in natural conditions from the south east of the Moldavian Plain function of the degree of meeting the daily relative demands for water expressed as a ratio between the daily effective consumption and the potential one realised inside irrigated conditions, the maximum production able to be obtained at irrigated crops and a plant global coefficient which catches, at the specie level, respectively variety/hybrid, the influence of the unquantified factor which contribute to crop made.