THE INFLUENCE OF POSSIBLE SKEWNESS OF CROP YIELD DISTRIBUTION ON RISKS SENSITIVITY TO CLIMATE CHANGE

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An influence of possible skewness of the potential (theoretically possible) of crop yield distribution considered as a random variable varying every year on the agricultural risk level and sensitivity to climate changes is investigated. It is shown on the example of lognormal distribution law that at positive skewness of distribution the adverse climatic changes can increase the risk of large crop failure in a greater degree, than at comparable symmetric, in particular, normal distribution. The numerical estimations confirming the drawn conclusion are given.
Keywords: *climate changes, crop yield, probability, skewness, risk.*