

# APPLYING MATHEMATICS OF FUZZY LOGIC TO THE PROBLEM OF AGROCLIMATIC RISKS MANAGEMENT

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Categories of agricultural and agroclimatic risks are defined. Possibility of risks' management in the context of prognoses of climatic changes is denoted. Method of forming informational base for managing agroclimatic risks based on prognoses given by IPCC is worked out. Possibility of applying mathematics of fuzzy logic for converting determined IPCC prognoses to stochastic form is shown. Results of applying fuzzy logic for defining distribution of reformed determined IPCC prognoses in one agricultural zone of Russia are presented.

**Keywords:** agroclimatic risk, management, prognoses, fuzzy logic.