



Climate change and variability in designing stable markets of agricultural products

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We propose a methodology of statistical analysis of food security as stability of national food supply system in a framework of extended reproduction. We suggest to ensure stability of production of main agricultural products based on synchronism and asynchronism of production fluctuations in the world, accounting for climate variability in space and time. We develop a system of statistical parameters for estimating stability of production levels and trends of different forms. We show that the parameters of trend stability may serve as characteristics of cycles' presence and stability.

Keywords: food security; production stability; asynchronism of production fluctuations; cycles.