**Extended abstract**

# TECHNOLOGICALLY OR ECONOMICALLY OPTIMAL COMBINED INFRARED AND CONDUCTIVE DRYING OF BULK LIVE FEED

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In this article the author discusses the new features in information and automation technologies in poultry houses. Production is carried out in automatic mode according to technological or economic criteria.

The purpose of the work is the development of combined infrared and conductive drying of bulk live feed is still not widely used in agriculture areas of agricultural automation control of technological processes in poultry industry on economic grounds (economic criteria).

The method of process control combined IR and conductive drying of bulk live feed on technological or economic criteria. Provided technologically or economically optimal energy-saving automated combined IR and conductive drying of a moving granular fodder.

Is automated search and achieve the optimal and rational energy regime combined Noi infrared (hereinafter IR), and conductive drying of loose feed through the definition of economic minimum of the first sum of the values of product loss when feeding livestock dried loose feed due to their bacteriological and microbial contamination and over-spending due to the loss of their quality as a result of their excessive exposure and overheating. Increased accuracy in the automated search and to the achievement of the economically optimal and rational energy regime combined IR and conductive drying of loose feed through the definition of economic minimum the second amount of the costs of product losses and costs, as well as operational energy-energy costs for drying

and transportation of feed that is necessary for the transmission of bulk dried feed for temporary storage of.

As a result of direct feeding of animals and poultry shall be adjusted so technologically best quantitative a combination of the absolute values of capacity combined drying through infrared radiation and conductive heating of a granular animal feed, the torus provides the smallest at this point in time, the amount of expenditures from the estimated loss of value of product losses and costs due to loss of feed quality as a result of their excessive exposure and re-greva. Mode for subsequent storage of loose feed laying down-is this economically the best value power Artemis-bath IR and conductive drying of a granular animal feed, wherein the generating pecials least at this point in time the amount of costs from the races-even of the loss of value of product losses and costs due to loss of their quality as a result of their excessive exposure and overheating, and exploitation energy costs for the combined IR and conductive drying and transporting of bulk feed.