

Iztaev A.I.
Kulazhanov T.K.
Saparbayev A.D.

INNOVATIVE TECHNOLOGIES AND LOGISTICS OF PROCESSING PRODUCTIONS OF THE AGRICULTURAL INDUSTRY



Monograph

Iztaev A.I., Kulazhanov T.K., Saparbayev A.D.

**INNOVATIVE TECHNOLOGIES AND
LOGISTICS OF PROCESSING PRODUCTIONS
OF THE AGRICULTURAL INDUSTRY**

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NAS RK, Doctor of Technical Sciences, Professor Chomanov U.Ch. Doct. Of Techn. Scs.,
professor G. Stankeevich

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The book outlines the main problems of a systematic approach to the preservation and improvement of grain quality and the development of transport logistics in the grain processing complex, to the issues of establishing the laws of formation of quantitative and qualitative grain indicators. Attention is also focused on the development of the scientific basis for post-harvest processing, storage and processing, the construction of an agrotechnological grain flow for intended purposes and the formation of transport logistics flows based on the development of grain production in the integrated interconnected system of "field - elevator - processing enterprise - market". Integrated dynamic models for predicting yield, quality and stability of the formation of target batches of grain, optimization models for the use of agricultural, transport resources, transportation of grain and grain products, distribution of investments, models of territorial price equilibrium in grain transportation and interactive technology for optimization calculations in the grain product complex are presented.

In general, the monograph is devoted to the problems of the formation of agrotechnological and transport grain flow based on the use of complex mathematical models that solve the technological and economic problems of the bakery industry, and the construction of optimization calculation tools for decision makers at the regional level.

The results of studies on the use of grain processing complexes of technological, economic and mathematical modeling are presented, as well as examples of their calculations are shown.

The book is intended for agricultural workers of the bakery system working to improve the quality of grain and its transportation. It is of interest to researchers, doctoral students, as well as undergraduates and students studying in agricultural, technological and economic universities.

The monograph is addressed to both theorists and practitioners studying the technological and economic problems of the production infrastructure of innovative technologies, logistics of the grain processing agro-industrial complex.

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