

## ABSTRACT

The given thesis work is carried out on obtaining an educational qualification level "Bachelor" and is devoted to the creation of an automated system for forecasting the costs of post harvest cultivation of grain under the conditions of the economy. The work is performed on 53 sheets, it contains 2 applications and a list of references to used sources of 9 items. There are 18 drawings and 2 tables in this work.

The purpose of this work is to create an automated system for forecasting the costs of post harvest cultivation of grain in the conditions of the economy.

As part of the thesis, the analysis and comparison of existing tools for forecasting costs of enterprises and farms was conducted. It was revealed that there are still no optimal programs for the full realization of this task. In addition, the methods of forecasting were analyzed and compared, as well as optimal methods for solving the problem were chosen: extrapolation method and regression method.

The developed system is relevant for farms engaged in grain processing for grain production. The agricultural sector is one of the leading in Ukraine, therefore, this application is relevant in the country.

The key words are: forecasting, implementation, extrapolation method, regression method, least squares method.