

# THE INFLUENCE OF MANAGEMENT ACTIVITIES REGARDING AGRICULTURAL MACHINES MAINTENANCE AND REPAIR ON THE OVERALL FARM ECONOMIC EFFICIENCY

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## Abstract

A particularly important role in the activity of farms is represented by the agricultural machinery and equipment used in production. In addition to a thorough selection and procurement process in accordance with existing needs, there is also a need for efficient management of maintenance and repair activities correlated with the technological specifications and the required work schedule. Although, on the whole, little attention is paid to this sector of the general business, possible malfunctions may lead to the impossibility of carrying out certain technological works and, consequently, to the deregulation of production plans and, subsequently, a possible negative impact on economic results. Management can be a decisive factor of production, in addition to the other factors that are given a higher importance, this field requiring more attention in terms of training the managers and implementing the principles of this science. The paper aims to highlight the importance and impact of efficient management of maintenance and repair of machinery on the economic results of agricultural farms starting from a general analysis and continuing with an analysis at the farm level, making a correlation between these activities and the economic results recorded. Maintenance and repairs within a company can be carried out, depending on the strategy approached, both by the farm employees, by an authorized service in partnership with the farm or can be carried out in a combined system. The effectiveness of the technological system is determined by the way of adapting to the characteristics of each farm. If the maintenance of agricultural equipment used in the production process is not carried out in time, regardless of the field, the activity cannot be realised in optimal conditions or there may be delays in accomplishing the task which may influence the process of organizing and coordinating activities and therefore optimal operation process is affected.

**Key words:** farm management, agricultural machinery maintenance, repair system, production plan, economic efficiency