RATIONAL STRUCTURE OF THE SYSTEM OF MACHINES IN THE TRANSPORT PROCESS RICE HARVEST

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ABSTRACT

Rice farming is one of the most widespread consumption of humanity foodstuffs, considering that is the staple food for about half of the world population. Harvesting and transport of cereal demand interaction machine system and may argue that, using linear programming can model the behavior of the technical and obtain optimal conformation variants thereof. At present, the development of science and technology and the possibility of having professional computer programs that solve complex problems in microcomputers, has helped increase the use of these mathematical techniques in economic trouble. In this paper a mathematical economic model that minimizes fuel consumption satisfying the harvest and transport of rice, which allows obtaining the rational variant of shaping the technical means available in the company to the different types of poses existing fields, the model results developed applied to a company dedicated to this process.

KEYWORDS: *Rice Harvest and Transport, Mathematical and Economic Model or Optimizations*