PROMISING DIRECTION OF IMPROVING ASSEMBLY AND TRANSPORT PROCESSES

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Abstract. *It justifies the direction of improving the assembly and transport processes using recycled trailers. Analysis of the technological scheme of transportation of grain from combines, using PP allows to identify a number of gaps in achievement of the maximum effect, among which are the following: the need for the timely entrance of ATM PP causes the ATM downtime (up to 36% of shift time), the need for further action (in comparison with the technology of direct transport) – grain transfer from one vehicle (trailer loader) to another (heavy ATM), this overload of grain with the use of screw working bodies require additional energy, time and does not preclude mechanical damage to the grain. The use of recycling of NP in the composition of the tractor trains provides improved performance of the LC and improve the performance of ATM. The main problem of implementing such technology that needs to be solved in the next research work is to reduce soil compaction semitrailers as through the formulation of additional rear tractor wheels and by redistribution of grains in the body during its transport in field.*

Key words: ***grain, harvesting, transportation, vehicle, automobile semi-trailer, efficiency***