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Analysis and forecast of performance characteristics of combine harvesters

This article presents results of an experimental research of qualitative indicators of the modern combine harvesters (Case IH Axil Flow 8230, MasseyFergusonMFT7, JohnDeereS680i, ClaasLexion760, NewHolland CR9.80) used for winter wheat harvesting. Based on the results obtained, determination was made regarding the productivity of combine harvesters on the field, fuel consumption, and field conditions influence the grain loss and grain damage caused by a harvester.

Key words: combine harvester performance, fuel consumption, chaff in a grain tank, post-harvest losses, loss of grain, grain damages, plant residues.