RESEARCH OF THE DEPENDENCE OF FLOUR EXTRACTION ON FREQUENCY OF WORKING ORGANS ROTATION IN GRINDING DOWN MODULE

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During the experimental studies of roughing the milling process of wheat grain on the experimental installation the dependencies of flour extraction rate on the speed of working bodies and the number of contact points with the grain of the material grinding rollers are determined.

It is determined that the increase of rotation frequency of working organs in the process of flour extraction goes down with the size of particles of 125…129 mkm on 3,3…5,3%, and the exit of flour with the particles of 130…135 mkm does not depend on rotation frequency of working organs. Maximal exit of flour 26,2 ± 2% is observed from the work of three pairs of working organs.

Keywords: flour, growing, particles, shallow rollers.