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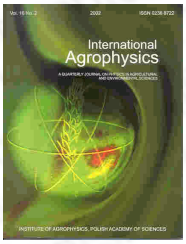

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Investigation on the dependence of a quern mill output on the size of grinding slot and grain moisture

(get PDF)

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abstract The present paper presents the results of investigations on the process of wheat grinding in a grinding machine in the aspect of a simultaneous determination of the influence of material moisture and grinding slot onto the output of the grinding machine. The model of the grinding process is described. The model allowed to develop the equation of the machine output in relation to the working slot and grain moisture content. An increase of the slot size increases also the output of the grinding process. An in- crease in material moisture level decreases the process output. Exceeding the moisture of 16% caused stucking of the mill.

keywords quern mill, grinding, wheat, moisture, grinding slot