

Motivation of Rotary Working Organ Form for Soil Cultivation in Orchards

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Abstract: The influence of structural soil upon its water and air mode has been shown. The main factors of rotary machines affecting the quality of soil cultivation have been stated. Motivation of the form of knife working surface of the rotary working organ has been made. The process of slots cutting by the disk rotary organ has been studied and the link between the influence of its main constructive parameters and produced soil structure has been shown.