

Секція 2.

ІНЖЕНЕРНА МЕХАНІКА

MECHANICAL ENGINEERING

RESEARCH ON THE KINETICS OF DRYLING TULIP WASTES FORCED CONVECTION

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Abstract:

Research presents process on the kinetics of drying tulip bulbs in forced convection. The article presents the process, speed and drying techniques. The history and cultivation of tulips has been investigated. The performed tests reflect the influence of temperature and division of bulbs for their drying time. The research material was delivered from a sub-foilized tulip plantation located in the Mazowieckie voivodship. The purpose of the study was achieved based on laboratory tests to which whole tulip bulbs were used, cut lengthwise and transversely. The bulbs were dried at following temperatures: 40, 50, 60, 70 i 80°C.

Keywords: drying, forced convection, tulips