

**EXPERIMENTAL RESEARCH CONCERNING
THE SEED DISTRIBUTOR FROM THE SOWING MACHINES****ILEA R., TONEA C., TONEA E., POPA D., DRĂGOI GH.,
PILOCA L.**

Banat's University of Agricultural Sciences and Veterinary Medicine
Timișoara,
Calea Aradului. 119, 300645 Timișoara, Romania
ileaupc@yahoo.com

**ABSTRACT – Experimental research concerning the seed distributor
from the sowing machines**

The sowing machines are destined for sowing weed out seed plants. The sowing precision is mostly influenced by the vacuum value created in the vacuum room of the seed distributor.

The seed distributor is a vertical disc type with holes. The seed distribution in row is pneumatically realized.

In this paper the influencing parameters of the seed distribution are analyzed, like: the vacuum value, the volume of the vacuum room, the number of holes of the distribution disc etc.

Concerning the made measurements there are proposed solutions for the optimal functioning of the seed distributors.

Keywords: flat sieves, sliding regimes, relative motion