



# Agricultural Journals

*Research in*

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# Res. Agr. Eng.

**P. Kroupa, J. Skalický,  
P. Kovaříček**

## Grain aeration in

# hangar storage by low pressure ventilators

Res. Agr. Eng., 51 (2005): 44-49

In the paper are presented measured values of air output velocity from the stored grain layer in hangar storage within its aeration by low-pressure ventilators. The proper aeration of the stored grain was conducted by three aerating ventilators of which every was individually connected with the " cage" aerating above-ground channel covered by technically woven fabrics. The channel diameter was 400 mm, axial pitch of the aerating channels was 4.5 m. Air output velocity was measured by the vane anemometer AIRFLOW. From the measured values resulted than the air output velocity from the stored grain layer in the hangar storage is insufficient, the used low-pressure ventilators are inconvenient, even lowest air output velocity has not been reached from the stored grain layer, i.e. 0.002 m/s, what is minimum figure determined only for grain conditioning.

**Keywords:**

air distribution; aerating ventilator; air  
output velocity; grain moisture; grain  
quality

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