



Agricultural Journals

Research in

**AGRICULTURAL
ENGINEERING**

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Res. Agr. Eng.

**Ľ. Kubík, A. Pavelková,
T. Hornyák, P. Kováč,
V. Horčín, J. Fúsková**

term storage of apples by means of fractal analysis

Res. Agr. Eng., 49 (2003): 137-145

Realization of long-term apple storage requires the most detailed information about the flesh structure and texture whose quality is contributing by responsible way to the whole quality of the evaluated fruits. The fractal analysis that the fractal dimension of the flesh structure determination is enabling was used. Structure degradation of four apples variants of the variety Idared was evaluated by fractal dimension during long-term storage in standard conditions. The influence of the storage on the fractal dimension was investigated by means of regression dependencies. The dependences express a decrease of the fractal dimension value in the relation to the increasing storage period. The influence of long term storage and influence of the variants of the fertilization on the fractal