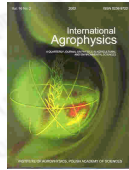




International Agrophysics
Polish Journal of Soil Science
Acta Agrophysica
Instytut Agrofizyki
International Agrophysics
General information
Issues
Search



International Agrophysics
publisher: Institute of Agrophysics
Polish Academy of Sciences
Lublin, Poland
ISSN: 0236-8722

vol. 22, nr. 3 (2008)

[previous paper](#) [back to paper's list](#) [next paper](#)

Destruction processes in the cellular medium of a plant theoretical approach

Haman J.¹, Konstankiewicz K.²

¹ Boya-Żeleńskiego 4/72, 00-621 Warszawa, Poland

² Institute of Agrophysics, Polish Academy of Sciences, Doświadczalna 4, P.O. Box 201, 20-290 Lublin 27, Poland

vol. 14 (2000), nr. 1, pp. 37-42

abstract A theoretical model of destruction of a material containing elastic cell wall surrounding a content consisting of liquid and gas is presented. The results show that a damage of the cellular plant material is the result of breaking a cell wall under the outer pressure and crack propagation as the consequence of fissure.

keywords damage of the cellular body, crack propagation in the plant tissue