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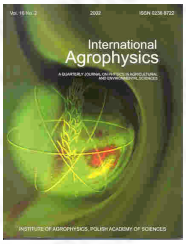

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Effect of the stationary magnetic field on the germination of wheat grain

(get PDF)

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abstract The effect of strong stationary magnetic field on absorbing capacity of water and respiration intensity of germination seeds, for the first germination phases and growth, were observed. The main goal of this study was to define influence of the stationary magnetic field of 50 mT to 1.0 T on the germination speed at different moisture contents of wheat grain. For investigations Henika variety of wheat grain was used. The moisture content of grain was increased by puting grains on the moist paper on Petri dishes for a definite period of time. The results ob- tained to state that a strong magnetic field had more positive effects on wheat grain germination.

keywords magnetic biostimulation, strong stationary magnetic field, germination speed of wheat seeds