

ANALYSIS OF DEOXYNIVALENOL IN CEREALS AND FOODS DERIVED FROM THEM, AT THE LEVEL OF IASI COUNTY

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Abstract

The paper presents information on deoxynivalenol contamination of cereals and food products derived from them, in Iasi County, in the 2015-2019 study interval. Data are presented on the incidence of deoxynivalenol, which has a negative influence on food safety, with a negative impact on the consumer's health. The study was conducted to assess the level of contamination of cereals and food products derived from them in Iasi County and to adopt European Commission regulations on maximum levels of mycotoxins in various raw materials and products for human consumption. The method used for the study is a direct competitive enzyme-linked immunosorbent assay (ELISA), which allows to obtain exact concentrations for the studied mycotoxin, expressed in $\mu\text{g} / \text{kg}$. The obtained results were within the maximum limits allowed by the current specific legislation.

Key words: mycotoxins, deoxynivalenol, cereals, cereal products, ELISA
