

## INFLUENCE OF MICOTOXIN ZEARALENON ON THE FUNCTION OF SOW'S LIVER

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**Summary.** We have investigated the influence of micotoxin zearalenon on the health and liver functions of 1,5 – 2,5 years old sow. Zearalenon (0,25-0,31mg/kg b.w.) was added to the feed of sow. Micotoxin was determined by an apparatus made by the firm VICTAM(USA). The health of sow was determined by clinical investigation of *status praesens* and by classical of blood morphology testing methods. Liver functions were examined as follows: the amount of general protein in blood serum by refractometer method; the relation of blood serum protein fractions by turbidimetric (nifiliometric) Olli and Makkard modified by Karpiuk method; the amount of cholesterol in blood serum by A.A.Pakrovsky and A.A.Gey method; the amount of bilirubin in blood serum by Van den Berg method. 53,8% sow fed daily on micotoxin zearalenon enriched feed (0,005-0,007mg/kg b.w.) for a long time, showed changes in the relation of fraction of blood serum proteins: the amount of albumin and cholesterol decreased, while the amount of  $\alpha$  globulin and bilirubin increased. Micotoxin zearalenon suppresses the production of blood serum albumin, cholesterol and the circulation of bile colours in the liver.

**Keywords:** Albumin, blood, bilirubin, cholesterol, liver, sow, zearalenon.