

## THE INFLUENCE OF MULTITENZYMES ON PIGS WEIGHT AND QUALITY OF MEAT

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**Summary.** The influence of multienzymes *MEK – Vilzim MM* on pigs fattening and quality of meat was investigated. The experiment comprised of 24 pigs, which were randomly divided in 3 groups - control (Group 1) and 2 experimentals (Groups 2 and 3) of 8 pigs in each. The animals in Group 1 were assigned to a standard pelleted diet for growing pigs supplemented with vitamins and minerals. Pigs in Groups 2 and 3 were fed the same diet supplemented with multienzymes *MEK – Vilzim* 0.5 g/kg feed and 0,7 g/kg feed, respectively. The results showed that during the first period of fattening (from 36 to 65 days of age) in Groups 2 and 3 was registered slight increase of the average of weight (1.2-1.8%) compared to the controls in Group 1. However, there were no significant differences between groups ( $P>0.05$ ). Furthermore, during the second period of fattening (from 65 to 117 days of age) the average weight in Group 2 was on 6.1% ( $P<0.05$ ) and in Group 3 on 4.3% ( $P>0,4$ ) higher compared to controls. The consumption of feed in Groups 2 and 3 decreased on 1.9% and 3.5% compared to control pigs. In addition, the results showed that mixture of enzymes *MEK – Vilzim* had no influence on the quality of meat.

The results from this study indicated, that 0.5 g/kg feed supplement of multienzymes to standard diet significantly increased the average of weight of pigs during the second period of fattening.

**Key words:** nutrition, multienzymes, weight, meat quality, pigs.